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OM nucleic - nucleic search, using sw model

Run on: September 14, 2004, 04:05:19 ; Search time 103 Seconds
(without alignments)
5430.976 Million cell updates/sec

Title: US-09-974-591-13

Perfect score: 1008

Sequence: 1 agctggagatctggaacttc.....ctccacgctctagggaagga 1008

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*

2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*

3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*

4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*

5: /cgn2_6/prodata/2/ina/PCUTS_COMB.seq:*

6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	297.8	29.5	1290	2	US-08-827-291A-1
2	243	24.1	669	4	US-09-465-901-39
3	241.2	23.9	1035	4	US-09-546-986A-1
4	241.2	23.9	1035	4	US-09-524-730-1
5	235.4	23.4	1411	4	US-09-546-986A-3
6	235.4	23.4	1411	4	US-09-524-730-3
7	235.2	23.3	952	4	US-09-016-434-1115
8	232.4	23.1	1065	4	US-09-546-986A-7
9	232.4	23.1	1065	4	US-09-524-730-7
10	229.6	22.8	951	4	US-09-465-901-47
11	226.4	22.5	966	3	US-08-748-506-7
12	225.6	22.4	1854	4	US-09-016-434-1312
13	222.6	22.1	1990	4	US-09-016-434-1056
14	222	22.0	1351	4	US-09-546-986A-5
15	222	22.0	1351	4	US-09-524-730-5
16	220.6	21.9	966	3	US-08-748-506-8
17	217.8	21.6	1282	4	US-09-016-434-1413
18	216.4	21.5	966	3	US-08-748-506-5
19	214.6	21.3	1062	4	US-09-568-680-10
20	213.6	21.2	1297	4	US-09-668-680-11
21	209.4	20.8	669	4	US-09-465-901-23
22	207.8	20.6	669	4	US-09-465-901-19
23	207.8	20.6	669	4	US-09-465-901-27
24	206.4	20.5	966	3	US-08-748-506-6
25	201	19.9	945	4	US-09-016-434-1114
26	199	19.7	1080	4	US-09-568-680-9
27	198	19.6	1713	2	US-08-467-948A-1

28 198 19.6 1713 3 US-08-467-947A-1 Sequence 1, Appli
29 197 19.5 1438 4 US-09-016-434-1313 Sequence 1313, Ap
30 193.2 19.2 3459 4 US-09-016-434-1363 Sequence 1363, Ap
31 183 18.2 669 4 US-09-465-901-11 Sequence 11, Appl
32 168 16.7 669 4 US-09-465-901-13 Sequence 13, Appl
33 167.8 16.6 681 4 US-09-465-901-29 Sequence 29, Appl
34 166 16.5 669 4 US-09-465-901-41 Sequence 41, Appl
35 165 16.4 678 4 US-09-465-901-45 Sequence 45, Appl
36 162.2 16.1 648 4 US-09-016-434-1374 Sequence 1374, Ap
37 161.2 16.0 669 4 US-09-465-901-31 Sequence 31, Appl
38 160.4 15.9 675 4 US-09-465-901-43 Sequence 43, Appl
39 160 15.9 669 4 US-09-465-901-25 Sequence 25, Appl
40 158 15.7 675 4 US-09-465-901-17 Sequence 17, Appl
41 157 15.6 900 3 US-09-085-371-5 Sequence 5, Appli
42 156.8 15.6 669 4 US-09-465-901-37 Sequence 37, Appl
43 152.2 15.1 648 4 US-09-016-434-1375 Sequence 1375, Ap
44 152 15.1 669 4 US-09-465-901-15 Sequence 15, Appl
45 147 14.6 648 4 US-09-016-434-1376 Sequence 1376, Ap

ALIGNMENTS

RESULT 1

US-08-827-291A-1
; Sequence 1, Application US/08827291A
; Patent No. 5874243
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Sathe, Ganesh
; TITLE OF INVENTION: NOVEL OLRCC15 RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY:
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,291A
; FILING DATE: 28-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: King, William T
; REGISTRATION NUMBER: 30,954
; REFERENCE/DOCKET NUMBER: GP50001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5015
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1290 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-827-291A-1

Query Match 29.5%; Score 297.8; DB 2; Length 1290;
Best Local Similarity 57.4%; Pred. No. 8,2e-83;
Matches 536; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

QY 45 CACAGCATGGAGCTCTGGAACTTCACCTTGGGAAGTGGCTTCATTTTGGTGGGATTCTG 104

Db 290 CACATCATGGCAGGAGAAATTCGACCTTCAACTCCGACTTCATCTCTCTGGGAATCTTC 349
Qy 105 AATGACAGTGGTCTCTGAACTGCTGTGTGTAACAATTACAATCAATCTTATCTTGTGGCC 164
Db 350 AATCAGAGCCCAACCAACCTTCTCTTCTTGTGCTGGGCAATCTTTCAGTGCC 409
Qy 165 CTGATCAGCAATGCGCTACTGCTCTGCTGATCAACATGGAAGCCCGCTCCACATGCC 224
Db 410 TTCAATGGAAACTCTGTGATGTTCTCTCACTACCTGACACCCAGCTCCACACCCC 469
Qy 225 ATGTACCTCTGCTGGGAGCTCTCTCTCATGAGACCTCTCTGTTCACATCTGTGCTCACT 284
Db 470 ATGTACCTCTCTCTGAGCAACTGCTCTCTCATGACCTCATGCTCATCTGACCAACGTA 529
Qy 285 CCCAAGGCCCTTGGGACTTCTGCGCAGAGAAACCACTCTCTTGTGGGCTGTGCC 344
Db 530 CCCAAGATGGCTTCACTACTCTGCGAGCAAGTCCATTTCTATGCTGGTGTGCC 589
Qy 345 CTTGAGATGTTCTGGCACTGACAAATGGGTGCTGAGGACCTCTCTACTGGCCTTCATG 404
Db 590 ACACAAATTTCTCTATACATCACTGCTGGCTCTGAATGCTTCTTGTGGCTGTATG 649
Qy 405 GCCTATGACAGTATGAGCAATTTGTCATCTCTGACATACATGACCTCATGAGCTCA 464
Db 650 GCTTATGACCGCTACACTGCGCAATTTGCGACCTCTAAGATACACCAATCTCATGAGCCT 709
Qy 465 AGAGCCTGCTGGCTCATGCTGGGCGACCTGCTGGATCTGCGCATCCCTAAGTGCCTAATA 524
Db 710 ABAATTTGTGACTTATGACTGCTTCTGATCTGAGATCTGAGCTCTACAGATGGAATCAT 769
Qy 525 TATACCGTGTATACCATGCAATFCTCTTCTGAGGCGCCAGGAGATCAGGCACTTCTTC 584
Db 770 TATGCTGAGCACATTTCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 829
Qy 585 TGTGAGATCCACATGCTGAGTGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 644
Db 830 TGTGAGTACCTTCCCTACTAACTCTCTCATGCAATGACATCAATATTTGAAAGGTT 889
Qy 645 GTATATGTGATGGGTGACCTCTCTGATTCCTCTCTGCTGCTGCTGCTGCTGCTGCTGCT 704
Db 890 ATTTCTATGCTATAGTAAGCTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 949
Qy 705 ACACAAATTTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 764
Db 950 GCTGGAGTATCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1009
Qy 765 GTACCTGCTTCCCGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 824
Db 1010 ACAGCTGTTCTCTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1069
Qy 825 TATGCTTGGCCAGTTCCTTCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 884
Db 1070 TACATACGCCCATCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1129
Qy 885 ACAATGTCTACTCAGCCCTGAATFCACTCATCTACAGCTGAGGAAATAGGAGGTGCT 944
Db 1130 ACCATCTCACTCCCATGCTGAATFCACTCATCTACAGCTGAGGAAATAGGAGGTGCT 1189
Qy 945 CGGCGCTTGGAGGCTCTGGGAAATACATG 977
Db 1190 AGAGCATTCATGAGATCTCAGGAAAGGCAAG 1222

RESULT 2
US-09-465-901-39
; Sequence 39, Application US/09465901
; Patent No.: 6492143
; GENERAL INFORMATION:
; APPLICANT: Reed, Randall
; APPLICANT: Yau, King-Wai
; APPLICANT: Kautwurst, Dietmar
; TITLE OF INVENTION: Olfactory Receptor Expression Libraries

; TITLE OF INVENTION: ad Methods of Making and Using Them
; FILE REFERENCE: 001107.00105
; CURRENT APPLICATION NUMBER: US/09/465,901
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/112,605
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 669
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: PCR primer
US-09-465-901-39

Query Match 24.1%; Score 243; DB 4; Length 669;
Best Local Similarity 60.3%; Pred. No. 7.3e-66;
Matches 402; Conservative 0; Mismatches 265; Indels 0; Gaps 0;

Qy 241 GGAGCTCTCTCTCATGAGCTCTCTCTCATGATGATGATGATGATGATGATGATGATGATG 300
Db 2 GTCACTGTCTCTCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 61
Qy 301 ACTTTCGCGAGAGAAACACCACTCTCTTGGAGCTGTGCTTTCAGATGTTCTCTG 360
Db 62 ATTATCTCTAGGCAAGGACTATTTCTTGTGGATGACAGCTCAACACTTCTAT 121
Qy 361 CACTGACAAATGGGTGCTGAGACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 420
Db 122 ACCTCACTCTGCTGAGGAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 181
Qy 421 TGGCCATTTCT 480
Db 182 TGGCCATCTGCAACCACTGAGTACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 241
Qy 481 TGTGGCCAGTCTCTGATCCTGATCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 540
Db 242 TCATAGCAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 301
Qy 541 TGCACTATCT 600
Db 302 TGAGTTTCT 361
Qy 601 TGCTGAAGTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
Db 362 TGCTGAAGTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 421
Qy 661 TGACCTTCTCTGATTCCT 720
Db 422 TTCTGATGCTGTTGATTCCT 481
Qy 721 CTGTGCTCCATATGCCATCAATGAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780
Db 482 CTGTGCTCCATATGAGCT 541
Qy 781 ACCTGATGCTGTTGGATGTTCTATGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 542 ACATGATGCTGTTGATGCTGTTTATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 601
Qy 841 CTTTCCACAGCACAGCAAGCAACATCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 900
Db 602 CTTTACCATTCCCATCCCAAGCAAAATTTTCTCTGTTCTATATACCATTTCTCACACCA 661

Qy 901 CCCTGAA 907
Db 662 TGTGAA 668

RESULT 3
US-09-546-986A-1
; Sequence 1, Application US/09546986A
; Patent No. 6635741

GENERAL INFORMATION:
; APPLICANT: Powers, Scott
; APPLICANT: Yang, Jianxin
; APPLICANT: Yang, Jianxin
; APPLICANT: Cutler, Gene
; APPLICANT: Cutler, Gene
; APPLICANT: Tularik Inc.
; TITLE OF INVENTION: No. 6635741el G-Protein Coupled Receptors
; FILE REFERENCE: 018781-004720US
; CURRENT APPLICATION NUMBER: US/09/546,986A
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 09/524,730
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (42)..(974)
; OTHER INFORMATION: human breast cancer amplified G-protein coupled
; OTHER INFORMATION: receptor 1 (BCA-GPCR-1)
US-09-546-986A-1

Query Match 23.9%; Score 241.2; DB 4; Length 1035;
Best Local Similarity 56.0%; Pred. No. 3.4e-65; Indels 0; Gaps 0;
Matches 456; Conservative 0; Mismatches 358; Indels 0; Gaps 0;

QY 153 TACTTGTGGCCCTGATCAGCAATGGCCCTACTGCTCTGCTGCTATCACCATGGAAGCCCGG 212
DB 135 TATGTGCTGGCCATGTTGGGGAACGTGCGCATCATCTCGGATCCGCGGTGATCTCTCA 194

QY 213 CTCACATGCCCATGACCTCTCTGTTGGAGCTCTCTCTCATGGACCTCTCTGTTCACA 272
DB 195 CTCACAGCCCATGTACATCTTCTCTAGTCACCTGTCTCTCTGACCTCTCTGTACACC 254

QY 273 TCTGTGCTCACTCCCAAGCCCTTGGGACTTCTGCGCAGAGAAACACCATCTCTTT 332
DB 255 ACCACGACAGTCCCTCAGATGCTGTCACATGGGAGTTCCTCAGAACCATCAGCTAT 314

QY 333 GGAGGCTGTGCCCTTCCAGATGTTCTCTGGCAGCTGACAAATGGGTGGTCTGAGGACCTCTTA 392
DB 315 GGAGGCTGACGTGTCATATGTCAGTCTTCCACTGCTGGATGCAAGGAGTCTGCTC 374

QY 393 CTGGCCTTCATGGCCTTATGACAGGTATGAGGCAATTTGTCATCTCTCTGACATACATGACC 452
DB 375 CTGGCCTTCATGGCCTTATGACAGGTATGAGGCAATTTGTCATCTCTCTGACATACATGACC 434

QY 453 CTCATGAGCTCAAGAGCTGCTGGCTCATGCTGGGACCTTCTGCGCAGAGAAACACCATCTCTTT 512
DB 435 CTCATGACCGTGTCTCTCTGTCAGAGCTGCTGGCTCTGGCTCTGAGTCTGAGTCTGAGT 494

QY 513 AGTGCCCTTAATATATACCTGCTATACCATGCTATCCCTTCTGCAAGGCCCAGGAGATC 572
DB 495 AACTCTCTGTCAGAGTGTCTCTGACGCTGCAATTCCTATTCCTGCGGCGGAGGTGCTG 554

QY 573 AGGCACTCTCTCTGTGAGATCCACACTTGTGAGAGTGGCTGTGCTGTGCTGTGCTGTGCTGTG 632
DB 735 CACAAGGCTTTGGAGCTGTCTCTCCACCTGATGATGCTCTCTCTCTCTCTCTCTCTCTCTCT 794

QY 813 GCCACATTCATGATGATGCTTGGCCAGTTCCTTCCAGCAGCAGCAGCAGCAGCAGCAGCAGC 872

DB 795 GCGATTTACATGATCTGAGCCCTTCCAGCTACTCCCAAGAGCAGGGCAAAATTTAT 854

QY 873 TCTGTTTCTACACAAATGTTCACTCCAGCCCTGATCCACTCACTCACTCACTCACTCACTCACT 932

DB 855 TCTCTCTTATTCATAAATCACTCCCACTCTCAATCTCTTCACTCACTCACTCACTCACTCACT 914

QY 933 AAGAGGTCATGCGGGCTTCCAGGAGGCTCTCTGG 966

DB 915 AAGATATGAAGGGGCTCTGAGGAGACTTCTGG 948

RESULT 4
US-09-524-730-1
; Sequence 1, Application US/09524730
; Patent No. 6638733
; GENERAL INFORMATION:
; APPLICANT: Powers, Scott
; APPLICANT: Yang, Jianxin
; APPLICANT: Cutler, Gene
; APPLICANT: Tularik Inc.
; TITLE OF INVENTION: No. 6638733el G-Protein Coupled Receptors
; FILE REFERENCE: 018781-004710US
; CURRENT APPLICATION NUMBER: US/09/524,730
; CURRENT FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1035
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (42)..(974)
; OTHER INFORMATION: human breast cancer amplified G-protein coupled
; OTHER INFORMATION: receptor 1 (BCA-GPCR-1)
US-09-524-730-1

Query Match 23.9%; Score 241.2; DB 4; Length 1035;
Best Local Similarity 56.0%; Pred. No. 3.4e-65; Indels 0; Gaps 0;
Matches 456; Conservative 0; Mismatches 358; Indels 0; Gaps 0;

QY 153 TACTTGTGGCCCTGATCAGCAATGGCCCTACTGCTCTGCTGCTATCACCATGGAAGCCCGG 212
DB 135 TATGTGCTGGCCATGTTGGGGAACGTGCGCATCATCTCGGATCCGCGGTGATCTCTCA 194

QY 213 CTCACATGCCCATGACCTCTCTGTTGGAGCTCTCTCTCATGGACCTCTCTGTTCACA 272
DB 195 CTCACAGCCCATGTACATCTTCTCTAGTCACCTGTCTCTCTGACCTCTCTGTACACC 254

QY 273 TCTGTGCTCACTCCCAAGCCCTTGGGACTTCTGCGCAGAGAAACACCATCTCTTT 332
DB 255 ACCACGACAGTCCCTCAGATGCTGTCACATGGGAGTTCCTCAGAACCATCAGCTAT 314

QY 333 GGAGGCTGTGCCCTTCCAGATGTTCTCTGGCAGCTGACAAATGGGTGGTCTGAGGACCTCTTA 392
DB 315 GGAGGCTGACGTGTCATATGTCAGTCTTCCACTGCTGGATGCAAGGAGTCTGCTC 374

QY 393 CTGGCCTTCATGGCCTTATGACAGGTATGAGGCAATTTGTCATCTCTCTGACATACATGACC 452
DB 375 CTGGCCTTCATGGCCTTATGACAGGTATGAGGCAATTTGTCATCTCTCTGACATACATGACC 434

QY 453 CTCATGAGCTCAAGAGCTGCTGGCTCATGCTGGGACCTTCTGCGCAGAGAAACACCATCTCTTT 512
DB 435 CTCATGACCGTGTCTCTCTGTCAGAGCTGCTGGCTCTGGCTCTGAGTCTGAGTCTGAGT 494

QY 513 AGTGCCCTTAATATATACCTGCTATACCATGCTATCCCTTCTGCAAGGCCCAGGAGATC 572
DB 495 AACTCTCTGTCAGAGTGTCTCTGACGCTGCAATTCCTATTCCTGCGGCGGAGGTGCTG 554

QY 573 AGGCACTCTCTCTGTGAGATCCACACTTGTGAGAGTGGCTGTGCTGTGCTGTGCTGTGCTGTG 632
DB 555 AACAACTTTTCTGTGAGGTGCGGCGGTGATCAAGCTGTCTGTGCTGTGCTGTGCTGTGCTGTG 614

Best Local Similarity 55.6%; Pred. No. 2.4e-63;
Matches 492; Conservative 0; Mismatches 391; Indels 2; Gaps 2;

QY 84 TTCATTTTGGGGGATCTGAATACAGAGTGGGCTCTCGAACTGCTCTGAGCTACAATT 143
|||
Db 151 TTCATCTGGTGGGCTCTTCTGATCGGCTGAGCTGGAGAAATCTCTTTGCTGTATC 210
|||
QY 144 ACAATCCTATACTTGTGGCCCTGATCAGCATGGCCTACTGCTCTGGCTATCACCATG 203
|||
Db 211 TTGATCTTTGATCCTGACCTGACCTGTGGGCAACATGCGCATCATCTCTGCTGTGTCATG 270
|||
QY 204 GAAAGCCGGCTCCACATGCCATGATACCTCTCTGCTGGGACCTCTCTCTATGACCTC 263
|||
Db 271 GATGTCAGGCTCCACACACCCATGATCTCTTCTTGGAACTCTCTTCTTATGATCTC 330
|||
QY 264 CTGTTCAATCTGTCGTCACTCCCAAGCCCTTGGGACTTTCTGGGAGAGAAACACC 323
|||
Db 331 TGTCTTACAGCAAGCAATGCCCCCTCAGCTGCTGTGGAACTGGGGGTCCAGAGAGACC 390
|||
QY 324 ATCTCTTTGGAGGCTGCCCCCTTCAGATGTTCTGGCACTGACAAATGGGTGCTGAG 383
|||
Db 391 ATCACTACAGGCTGTGTGGCCCACTCTACATCTACATGATGCTGGGCTCCACCGAG 450
|||
QY 384 GACCTCTACTGGCCCTCATGGCCCTATGACAGGTATGGCCATTTGTCTCTCTGACA 443
|||
Db 451 TCGTCTCTCTGTTGTCTGATGTCCTGATGACCGCTATGCGGCTCTGCGGTCTCTGAC 510
|||
QY 444 TACATGACCTCATGAGCTCAAGAGCCTGCTGGCTCAAGTGGGCAAGCTCTGATCTCTG 503
|||
Db 511 TACATGGGAGTCAATGGCCCACTCTGCTGTCAGCTGCTGACTGCTGGCTGTGCTGT 570
|||
QY 504 GCATCCCTAAAGTCCCTATATATACCGGTATACATGCTATACCTCTTCTGAGGGCC 563
|||
Db 571 GGCCTCTTAACTCTCTGATGCTGAGATGCCACACTTCTGAGTGGCCCTCTGCTGAT 630
|||
QY 564 CAGGAGATCAGGCATCTTCTCTGAGATGCCACACTTCTGAGTGGCCCTCTGCTGAT 623
|||
Db 631 CGCAGGTGGACCACTTCTCTGATGAGATGCTGCTTATTTGCCATGCTTGTGAGGAA 690
|||
QY 624 ACC-TCCAGATGAGCTCATGGTATATGATGAGTGGTGGAGCTTCTGATTCCTCTCT 682
|||
Db 691 ACCATGCTGTGAGAGCGATTCACCTTTGCCCCTGGGGTGGCTCTCTCTCTGCTGCGCT 750
|||
QY 683 TGCTGCTATCTGCTCTCTATACAAATTTCTACTCTGCTGCTCCATGCTCCATGCCATCAA 742
|||
Db 751 CTCCTCTATCTCTCTCTATGAGTGGAGTGGAGCGGCTGCTGAGGATGAAGTCAAG 809
|||
QY 743 TGAGGGGAGGAGAAAGCCCTTGTCACTCTGCTCTTCCCACTGCTGCTGTTGGGATGTT 802
|||
Db 810 ASCAGGGGAAAGAAAGCCCTTCCACACCTGCTCTTCTCACTCAGATGCTCTCTCTT 869
|||
QY 803 CTATGAGTGGCAGATTCATGATGATGCTTGGCCAGTTCCTTCCAGACAGACAGAGA 862
|||
Db 870 CTACGGAACCATCATCTAGCTGTACCTGAAAGCGGCGCAACAGCTATCCCAAGATCAGGG 929
|||
QY 863 CAACATCATCTCTGTTTCTACAAATTTCTACTCCAGCCCTGAATCCACTCATCTACAG 922
|||
Db 930 GAAATCTCTGATCTCTTCTACACCATGCTCATTTCCAGCATCAACCCCTCATCTACAC 989
|||
QY 923 CCTGAGGAATAAGGAGGTCAATCGGGCCCTTGAGGAGGTCCTGGG 967
|||
Db 990 TTTGAGAACAGGATGTGAGGGGACCATGAAGAACTTCTGGG 1034
|||

RESULT 7

US-09-016-434-1115
; Sequence 1115, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION

NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1115:
SEQUENCE CHARACTERISTICS:
LENGTH: 952 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: g1336042
US-09-016-434-1115

Query Match 23.3%; Score 235.2; DB 4; Length 952;

Best Local Similarity 55.0%; Pred. No. 2.4e-63;
Matches 502; Conservative 0; Mismatches 408; Indels 2; Gaps 2;

QY 63 AACTTCACTTGGGAGTGGCTTCAATTTTGGGGGATTTCTGAATGACAGTGGGTCTCT 122
|||
Db 13 AACCAAGCTTGGGTGAGTGAATTTATCTCTCGGCTGTCCAGTGTGGGACACTCGG 72
|||
QY 123 GAACTGCTGTGTGTACAAATTCATCTTGTGGCCCTGATCAGCAATGSCCTA 182
|||
Db 73 GTCTCCCTGTTTGTCTCTGTTCTTGTGTCATGTATGTTGGTGAACGCTGTGGGAACTGCTC 132
|||
QY 183 CTGCTCTGGCTATCACCATGGAAGCCGGCTCCACATGCCATGCCATGCTACCTCTGCTGG 242
|||
Db 133 ATGTCTCTTGTGATCAGACTGGACAGCCGACTCCACACTCCCATGATTTCTTTCTCAC 192
|||
QY 243 CAGCTCTCTCATGACCTCTCTGTTCACTCTGCTCACTCCCAAGCCCTTGGGAC 302
|||
Db 193 AACCTCTCCCTTGTGATGTCCTATGCCAAGTGTAGTCCCTCAGCTGTGGCACAAT 252
|||
QY 303 TTTCTCGCAGAGAAAAACCACTCTCTTTGGAGGCTGTGCCCTTTCAGATGTTCTTGGCA 362
|||
Db 253 TTTCTTGGAGAACATAAGCCATCCATTTCCAGAGCTGTGGAGCCAGTATTTTCTCTCC 312
|||
QY 363 CTGACAAATGGGTGGTGTGAGGACCTCTCTACCTGGCCCTTCACTGGCCCTATGACAGGTATGTG 422
|||
Db 313 CTGGCCTTGGGTGGGATTCAGTTTCTCTCTCT-GCGGTGATGGCCTATGACCGCTATGTG 371
|||
QY 423 GCCATTTGTCTCTCTGACATGACCTCATGAGCTCAAGAGCTCAAGAGCTGTGGCTCATG 482
|||
Db 372 GCTGTGTGTGTGCGCCT-CGATACTCGGCCATCATGTCATGGAGGCTGTGCTAGGTG 430
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QY 483 GTGGCCACGCTCTGATCTCTGATCCTGTCATCCCTTAAGTGGCCCTAAATATATACCTGTATACCATG 542
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Db 431 GCCATCACATCTGGGTCAGTGGCTTCATCAGCTCTCTGTGAGAGTGTCTATCACCTTT 490
QY 543 CACTATCCCTCTCTGAGGGCCAGGATCAGGATCTTCTCTGTGAGATCCCACTTG 602
Db 491 CAGTGCCCATGTGAGAAACAAAGTTTATGATCACATATCTCTGAACTCCTAGCTGTG 550
QY 603 CTGAAGTTGGCTGTGTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTGTG 662
Db 551 GTCAGGCTGGTGTGTGGACACTCTCTCAATGAGGTCAACATCATGGTGTCTAGCAT 610
QY 663 ACCTTCCTGATTCCTCTCTGTGTGCTATCTGAGCTCTCTCAATGAGGTCAACATCATGGTGTCTAGCAT 722
Db 611 GTTCTTCTGATGACACCCCTCTGCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 670
QY 723 GTGCTCATATGCCATCAATGAGGGGAGGAGAAAGCCCTTGTGACCTGTCTTCCAC 782
Db 671 ATCTAAAGATCCAGTCCAGAAAGGAGAAAGAAAGCTTTTCCACAGTGTGCTCTCAC 730
QY 783 CTGACTGTGGTGGGATGTTCTATGAGCTGCCACATTCATGTATGTCTTGGCCAGTTCC 842
Db 731 CTCACAGTGTGGCTGTGTGATGTTGGCCATTTTCACTTACATCCAGGCCCACTCC 790
QY 843 TTCCAGAGCAGCAGAAAGCAATCATCTCTGTTTTTCTACAAATGTCACCTCCAGCC 902
Db 791 AGTCCCTCTGTCTCTCAGGAGAGTTGTTCTCTCTCTCTCTCTCTCTCTCTCTCT 850
QY 903 CTGAATCCACTCATCTACAGCTGAGGAATAAGGAGGTCTATGCGGGCTTGGAGGGTC 962
Db 851 CTGAACCCCATGATTTACGCTTAAGGAATAAGAGGTGAAGGGGCTTGGCAGAACTA 910
QY 963 CTGGGAAATPAC 974
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RESULT 8

US-09-546-986A-7
; Sequence 7, Application US/09546986A
; Patent No. 6635741
; GENERAL INFORMATION:
; APPLICANT: Powers, Scott
; APPLICANT: Yang, Jianxin
; APPLICANT: Cutler, Gene
; APPLICANT: Tularik Inc.
; TITLE OF INVENTION: No. 6635741el G-Protein Coupled Receptors
; CURRENT APPLICATION NUMBER: US/09/546,986A
; PRIOR FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26)..(1030)
; OTHER INFORMATION: human breast cancer amplified G-protein coupled
; OTHER INFORMATION: receptor 4 (BCA-GPCR-4)
US-09-546-986A-7

Query Match 23.1%; Score 232.4; DB 4; Length 1065;
Best Local Similarity 53.8; Pred. No. 1.9e-62;
Matches 479; Conservative 0; Mismatches 411; Indels 0; Gaps 0;
QY 81 GGCTTCATTTGGGGGATCTCTGAATGACAGTGGGTCTCTCAACTGCTCTCTGTGATCA 140
Db 116 GGTTTCATCTTTTAGGGTTTCTGATTTATGCTCAGTTACAGAGGTTCTATTGTGCTC 175
QY 141 ATTACATCTTATCTTGTGGCCCTCATCAGCAATGGCTACTGTCTCTGGCTATCAC 200

Db 176 ATATTGATCTGTATTTACTAACTATTTTGGGGAATACACCATCATTTCTGGTTTCTCGT 235
QY 201 ATGGAAGCCGGCTCCACATGATCCCATGTAATCTCTGTCTGGGAGCTCTCTCTCATGAC 260
Db 236 CTGGAACCCCAAGCTTCATATGCCGATGATTTCTTCTCTCTCTCTCTCTCTCTCTCT 295
QY 261 CTCCTGTTCATATCTGTGCTCACTCCCAAGCCCTTGGGACTTTCTGCGCAGAGAAAC 320
Db 296 CGCTGCTTACAGCAGTGTATTTCCCGAGCTCTCTGTAAACCTGTGGGAACCCATGAAA 355
QY 321 ACCATCTCTTTGGAGCTGTGCCCTTCAGATGTCTCTGGCACTGACAAATGGGTGTGCT 380
Db 356 ACTATCGCTATGTGTGCTCTTTGGTTTCACTTTTACAACTCCCATGCCCTGGATCCACT 415
QY 381 GAGGACCTCTCTAGTGGCTTCATGGCTATGACAGGTATGTGGCAATTTGTCTCTCTG 440
Db 416 GAGTGGCTCTCTCGGCTCTGATGTCTGTGACCGCTATGTGGCTGTCTCTCTCTCTCT 475
QY 441 ACATACATGACCCCTCATGAGCTCAAGAGCTGTGGCTCATGTGGGCAAGTCTCTGGATC 500
Db 476 CATTAACCTGTCTTAATGCAATATCCATCTCTGCAATGGCTTGGCATCTATGGCATGGCTC 535
QY 501 CTGCACTCCCTAAGTGCCTTAATATATACCGTGTATACCAATGCACTATCCCTCTCTGAGG 560
Db 536 AGTGAATAGCCACACCCCTGTGACAGTCCACCCCTCACTGAGCTGCCCTTCTGTGGG 595
QY 561 GCCCAGGAGATCAGGATCTCTCTGTGAGATCCCACTTGTCTGAAATGGCTGTGCT 620
Db 596 CATCGCCAAAGTGGATCATTTTCTCTGAGGTCCCTGTGCTCATCAAGCTGGCTTGTGTG 655
QY 621 GATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTGTGACCTTCTCTGATCCCTCT 680
Db 656 GGCACCACTGTTAAAGAGGCTGAGCTTTTGTGGTAGTATCTTTTCTTATAGTGGCT 715
QY 681 CTGTGCTATATCTGGCTCTCTATACAAATTTCTACTCTGTGTCTCATATGCAATCA 740
Db 716 GTCTCATTTCTCTGTGCTCTCTCTGCTCATTTGCCCCACGAGTGTGAGGATTAAGTCA 775
QY 741 AATGAGGGAGGAGAAAGCCCTTGTACCTGTCTTCCACCTGCTTCCACCTGAGTGGGTG 800
Db 776 GCTACCGGAGAGAGAAAGCAATTCGGGACCTGTCTTCCACCTGAGAGTGGTCAACATC 835
QY 801 TTCTATGGAGCTGCCACATTCATGTATGTCTTGGCCAGTTCTCTTCCACAGCACCAGCAA 860
Db 836 TTTTATGGAACCATCATCTTCATGTATCTGACGCGCAGAGAGTAGATCCAGGAGCAG 895
QY 861 GACAACTATCTCTGTTTTCTACAAATTTGTCTCACTCCAGCCCTGAAATCCACTCATCTAC 920
Db 896 GGCAAGTTTGTCT 955
QY 921 AGCTGAGGAATAAGGAGGTCTATGCGGCTTCTGAGGAGGTCTCTGGGAAA 970
Db 956 ACCTTGAGGATCAAGAGGTGAAAGGGGCAATTAAGAAAGTTCTTAGCAAA 1005

RESULT 9

US-09-524-730-7
; Sequence 7, Application US/09524730
; Patent No. 6638733
; GENERAL INFORMATION:
; APPLICANT: Powers, Scott
; APPLICANT: Yang, Jianxin
; APPLICANT: Cutler, Gene
; APPLICANT: Tularik Inc.
; TITLE OF INVENTION: No. 6638733el G-Protein Coupled Receptors
; FILE REFERENCE: 018781-004710US
; CURRENT APPLICATION NUMBER: US/09/524,730
; CURRENT FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 1065
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26)..(1030)
; OTHER INFORMATION: human breast cancer amplified G-protein coupled
; OTHER INFORMATION: receptor 4 (BCA-GPCR-4)
US-09-524-730-7

Query Match      23.1%; Score 232.4; DB 4; Length 1065;
Best Local Similarity 53.8%; Pred. No. 1.9e-62;
Matches 479; Conservative 0; Mismatches 411; Indels 0; Gaps 0;

QY 81 GCCTTCATTTTGGTGGGATCTCGAATGACATGGGTCTCCTGAAGTCTCTGTGCTACA 140
DB 116 GGTTCATCCTTTTAGGGTTTCTGANTATGCTCAGTTACAGAAGTCTTATTGTGCTC 175

QY 141 ATTACAATCCTATCTTGTGGCCCTGATCAGCAATGGCTACTGCTCTGGCTATCACC 200
DB 176 ATATTGATCTGATTACTAATCTATTTTGGGGAATACCAACCATCATCTGGTTCTCGT 235

QY 201 ATGGAAGCCGGCTCCACATGCCCATGTACCTCTCTGTTGGGAGCTCTCTCTCATGAGC 260
DB 236 CTGGAACCAAGCTTCATATGCCGATGATTCTCTCTCTCATCTCTCTCTCTCTCTGAC 295

QY 261 CTCCTGTTACATCTGCTGCTACTCCCAAGGCCCTTGGGACTTCTGCGCAGAGAAAC 320
DB 296 CGCTGCTTACCAGCAGTGTATTCCCAAGCTCTCTGTTAAACCTGTGGAAACCCATGAAA 355

QY 321 ACCATCTCCTTTGGAGGCTGTGCCCTTCAGATGTTTCTGGCACCTGACAAATGGGTGTGCT 380
DB 356 ACTATCGCTATGTGGCTGTTGGTTTACCTTTTAACTCCATCCATGCCCTGGATCCACT 415

QY 381 GAGGACCTCCTACTGGCCTTCATGGCTATGACAGATATGAGGCCATTTGTCTATCTCTG 440
DB 416 GAGTGGCTCTCCGGCTCTGATGCTCTGACCGCTATGCTGCTCTGCTGCTCTCTCTCTC 475

QY 441 ACATACATGACCTCATGAGCTCAAGAGCTCTGCTGCTCATGGTGGCCACGCTCTGGATC 500
DB 476 CATTACATGCTCTTAATGATATCCATCTCTGATGGCTTGGCATCTATGGCATGGCTC 535

QY 501 CTGGCATCCCTAAGTCCCTTAATATACCGTGTATACCATGACCTATCCCTTCTCAGG 560
DB 536 AGTGGATAGCACCACTCTGTGATAGTCCACCTCACCCTGACGCTGCTCTGTGG 595

QY 561 GCGCAGGATCAGGCATCTTCTGTGATATCCACATCTGCTGAAGTTGGCTGTGCT 620
DB 596 CATCGCAAGTGGATCATTTTCATCTGCGAGTCCCTGTGCTCATCAAGCTGGCTTGTG 655

QY 621 GATACCTCAGATATGAGCTCATGGTATATGATGGGTGACCTTCTCTGATCTCCCTCT 680
DB 656 GGCACCACTTTAACGAGGCTGAGCTTTTGTGGCTAGTATCTCTTCTCTTATAGTGCT 715

QY 681 CTGTGCTATATCTGGCCCTCCTATACACAAATCTACTCACTGTGCTCCATATGCCATCA 740
DB 716 GTCTCATTCATCTGTCTCTCTGCTGCTACATTTGCCACGCACTGTGTAGGATTAAGTCA 775

QY 741 AATGAGGAGGAGAAAGCCCTTGTCACTGTCTTCCACCTGACTGTGTGTTGGATG 800
DB 776 GCTACCGGAGACAGAAAGCAITTCGGGACCTGTCTTCCACCTGACAGTGTGCACCATC 835

QY 801 TTCATAGGAGTCCCATCATCATGATGATGCTTGGCCAGTTCCTTCCACAGCACCAGCAA 860
DB 836 TTTATAGGAACCATCATCTCTTATGATCTGACGCCAGCCAAAGATAGATCCAGGACCAG 895

QY 861 GACAAATCATCTCTGTTTCTACAAATGTCTCACTCCAGCCCTGAATCCACTCATCTAC 920
DB 896 GGCAGAGTTTCTCTCTCTTACATGCTGTGTAAACCGCATGCTTAACCTCTTATTAT 955

QY 921 AGCCTGAGGAATAGAGGTCATCGCGGCTCTGAGGAGGCTCTGGGAAA 970
DB 956 ACCTTGAGGATCAAGGAGTGAAGGGGCATTAAAGAAAGTTCCTAGCAAA 1005
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RESULT 10
US-09-465-901-47
; Sequence 47, Application US/09465901
; Patent No. 6492143
; GENERAL INFORMATION:
; APPLICANT: Reed, Randall
; APPLICANT: Yau, King-Wai
; APPLICANT: Krautwurst, Dietmar
; TITLE OF INVENTION: Olfactory Receptor Expression Libraries
; TITLE OF INVENTION: ad Methods of Making and Using Them
; FILE REFERENCE: 001107.00105
; CURRENT APPLICATION NUMBER: US/09/465,901
; PRIOR FILING DATE: 2001-12-17
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 951
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: PCR primer
US-09-465-901-47
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Query Match      22.8%; Score 229.6; DB 4; Length 951;
Best Local Similarity 53.9%; Pred. No. 1.4e-61;
Matches 494; Conservative 0; Mismatches 419; Indels 3; Gaps 1;

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DB 6 GAACAGCACTACTGTTACTGAGTTTATTTTGTGGGCTGTGAGATGCTGTGAGTGCA 65

QY 122 TGAATGCTCTGTGCTACAAATTACAAATCTTGTGTTGGCCCTGATCAGCAATGGGCT 181
DB 66 GGTGCTCATATTCTCTGGGCTTTCTCTGACCTACTTCTCTCATTTCTGCTGGAAACTTCT 125

QY 182 ACTGCTCTCTGCTATACCACTGGAAGCCGGCTCCACATGCCCATGTACCTCTGCTTGG 241
DB 126 CATCATCTTCATCACCTTTGTGGAGCGGCTTTTACACCCCATGTATTCTTCTCTCG 185

QY 242 GCAGCTCTCTCATGGACCTCTCTGTTCACATCTGTCTGCTCACTCCCAAGCCCTTCCGGA 301
DB 186 GACTTTGCCATGCTGGAGATCTGTTTCACTCTGTCTTCTTCCCAAGATGCTAACCAA 245

QY 302 CTTTCTGGCGCAGAAAAACACCATCTCTTTGGAGGCTGTGCCCTTTCAGATGTTCTTGGC 361
DB 246 CATCATCAGGACATTAAGACCATCTCCCTACTAGGTTGTTTCTCTCAAGCATTCCTCTA 305

QY 362 ACTGCAATGGTGGTGTGAGGACCTCTCTGCTTCTGCTTCTGCTTCTGAGGCTATGACAGGTATGT 421
DB 306 TTTCTTCTTGGCAACCACTGAGTCTTTCTTCTGAGGAGTGTCTTCTGACAGGTATGT 365

QY 422 GGCCATTTGTCATCTCTGACATATACATGACCTCTCATGAGCTCAAGAGCCTGTGGCTCAT 481
DB 366 GGCCATTTGTAACCTTTTGGTTTATGCCACCATATGAGCAAAAGAGTCTGTGTCCAGCT 425

QY 482 GGTGGCCAGCTCTGATCTCTGAGTCTCTAGTGCCTTAATATATATACCGTGTATACCAT 541
DB 426 TGTGTTTGTCTCATGATGCTGTGGATGTTCTTCTCATCATAGTTCCTTCTTCAATTCTATT 485

QY 542 GCATATCTCTTCTGAGGCGCCAGGAGATCAGGATCTTCTCTGTGAGATCCACACTT 601
DB 486 TCAGCAGCATCTCTGTGGCCAAACATCAATTAATCAATTTCTTCTGTGACAACTTTCCAT 545

QY 602 GCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTGT 661
DB 546 TATGGAATCATATGTGACAGTACTAGCCTGTGAGTTCCTGGGTTTGTGTTATTCGCA 605

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DB 606 TTTCAGCCTCTCTGGGCACTCTGTGCTGTGACTGCACTGCACTGTATGGCCACATCTCTATAC 665
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QY 155 CTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 214
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Db 718 GAGTTGTTTCCCAAAATGCTGGCCAACTCTGCGGCCCAAGAAAGACCATCATGCTTCT 777
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QY 455 CATGAGCTCAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 514
Db 898 CATCCACCCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 957
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Db 1078 TGAGATCCAGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1137
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RESULT 14
 US-09-546-986A-5
 ; Sequence 5, Application US/09546986A
 ; Patent No. 6635741
 ; GENERAL INFORMATION:
 ; APPLICANT: Powers, Scott
 ; APPLICANT: Yang, Jianxin

; APPLICANT: Cutler, Gene
 ; APPLICANT: Tularik Inc.
 ; TITLE OF INVENTION: No. 6635741el G-Protein Coupled Receptors
 ; FILE REFERENCE: 018781-004720US
 ; CURRENT APPLICATION NUMBER: US/09/546,986A
 ; PRIOR FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 09/524,730
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 5
 ; LENGTH: 1351
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (86)..(1108)
 ; OTHER INFORMATION: human breast cancer amplified G-protein coupled
 ; OTHER INFORMATION: receptor 3 (BCA-GPCR-3)
 US-09-546-986A-5

Query Match 22.0%; Score 222; DB 4; Length 1351;
 Best Local Similarity 54.7%; Pred. No. 4e-59;
 Matches 441; Conservative 0; Mismatches 365; Indels 0; Gaps 0;

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QY 151 TATACCTTTGGGCCCTGATCAGCAATGGCCCTACTGCTCTCTGGCTATCACCATGGAAGCCC 210
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QY 211 GGTCTCACATGCCCATGTACTCTCTGTTGGGAGCTCTCTCTCAAGAACCTCTCTGTTC 270
Db 309 ACCTCCACACACATGATGACTTCTTTCTTGGCCAACTCTCTCTCTGGCATGAGCTTCA 368
QY 271 CATCTGCTGCTCACTCCCAAGGCCCTTGGGACTTCTGCGCAGAGAAAACCATCTCT 330
Db 369 CCACGAGCATGTGCCACAGCTCTCTGGCTAACCTCTGGGGACACACAGAAACCATAGCT 428
QY 331 TTGAGGAGCTGTGCCCTTTCAGATGTTCTGGCACTGACAAATGGTGGTGGCTGAGGACCTCC 390
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QY 391 TACTGGCTTTCTGCGCTATGACAGATATGGGCCAATTTGTCATCTCTGACATACATGA 450
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QY 451 CCCTCATGAGCTCAAGAGCTGCTGCTCATGTGGCCAGCTCTGATCTCTGTCATCTCC 510
Db 549 TCATATGATCCACAGCTTTTGGCTTTGGGCTAGCTTTGGCTCTCTGGCTGGGGGCTCTGA 608
QY 511 TAAGTCCCTTAATATATACCGTGTATACCATGCACTATCCCTTCTGCGAGGCCCCAGAGA 570
Db 609 CCACGAGCATGTGGGCTCCACGCTCACCATGCTCTACCGCTGTGTGGGAAACAATTGCA 668
QY 571 TCAGGCACTCTCTCTGTGAGATCCCACTGCTGAGGTGGCTGTGCTGTGATCTCTCT 630
Db 669 TCAGCACTCTCTTTTGGAGATGCCCTCTATATGCAACTGGCTTGTGTGATACAGGCC 728
QY 631 GATATGAGCTCATGGTATATGATGGGTGTCACCTTCTCTGATTCCTCTCTCTGCTGCTA 690
Db 729 TCATGAGATGGAGATGTACCTGGCCAGCTTTGTCTTGTGTCTGCTCTCTGGGCTCTCA 788
QY 691 TACTGGCTCTCTATACAAATTTCTACTCACTGTGCTCCATATGCCATCAAAATGAGGGGA 750
Db 789 TCTGTGCTCTTACGGCCACATTTGCCCGGCCCTGTTGAAGATCAGGTCAAGCAGAGGGGC 848
QY 751 GGAAGAAAGCCCTTGTCACTGCTCTTCCCACTGCTCTGCTGCTGCTGCTGCTGCTGCT 810
Db 849 GGAGAAAGGCATTTCAACACCTGTTTCTCCACGCTGTGTGTCTCTGCTGCTGCTGCT 908
QY 811 CTGCCACATTCATGATGTTGTTGCCCCAGTTTCTTCCACAGACACACAGACAAACATCA 870
Db 909 GCATCATCTTCAATGATATCTCCAGCCAGCCACAGAGCACTCCCATGAGAGGGGCAAGTTCA 968

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- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1006.4	99.8	1008	10	US-09-974-591-11
4	1006.4	99.8	1008	10	US-09-777-789-10
5	1006.4	99.8	1008	10	US-09-974-149-11
6	962.8	95.5	1050	10	US-09-777-789-8
7	962.8	95.5	1351	15	US-10-017-161-309
8	962.8	95.5	1351	16	US-10-292-798-275
9	947.8	94.0	951	9	US-09-886-055-198
10	947.8	94.0	951	10	US-09-804-291-198
11	947.8	94.0	951	13	US-10-343-650A-513
12	947.8	94.0	951	15	US-10-220-382-39
13	947.8	94.0	951	16	US-10-300-846-25
14	832.4	82.6	977	15	US-10-024-444B-1

15	713.8	70.8	1033	15	US-10-017-161-635	Sequence 635, App
16	505.4	50.1	507	10	US-09-777-789-45	Sequence 45, Appl
17	505.4	50.1	528	10	US-09-777-789-40	Sequence 40, Appl
18	340.2	33.8	957	16	US-10-387-629-137	Sequence 137, App
19	340.2	33.8	1110	9	US-09-886-055-458	Sequence 458, App
20	340.2	33.8	1110	10	US-09-804-291-458	Sequence 430, App
21	335	33.2	975	9	US-09-886-055-430	Sequence 430, App
22	335	33.2	975	10	US-09-804-291-430	Sequence 430, App
23	335	33.2	975	13	US-10-343-650A-551	Sequence 551, App
24	335	33.2	975	16	US-10-387-629-139	Sequence 139, App
25	335	33.2	975	17	US-10-333-946-35	Sequence 35, Appl
26	325.8	32.3	951	9	US-09-886-055-478	Sequence 478, App
27	325.8	32.3	951	10	US-09-804-291-478	Sequence 478, App
28	325.8	32.3	951	11	US-09-965-422-25	Sequence 25, Appl
29	325.8	32.3	951	11	US-09-965-422-29	Sequence 29, Appl
30	325.8	32.3	993	11	US-09-965-422-27	Sequence 27, Appl
31	325.8	32.3	1351	15	US-10-017-161-7	Sequence 7, Appl
32	325.8	32.3	1351	16	US-10-292-798-7	Sequence 7, Appl
33	325.8	32.3	1476	17	US-10-473-518-102	Sequence 102, App
34	317.8	31.5	1254	10	US-09-795-271-7	Sequence 7, Appl
35	316.4	31.4	948	9	US-09-886-055-176	Sequence 176, App
36	316.4	31.4	948	10	US-09-804-291-176	Sequence 176, App
37	316.4	31.4	948	13	US-10-343-650A-321	Sequence 321, App
38	316.4	31.4	948	17	US-10-333-946-36	Sequence 36, Appl
39	316.4	31.4	998	15	US-10-023-597-5	Sequence 5, Appl
40	316.4	31.4	1348	15	US-10-017-161-711	Sequence 711, App
41	316.4	31.4	1348	16	US-10-292-798-623	Sequence 623, App
42	315.8	31.3	1372	15	US-10-017-161-489	Sequence 489, App
43	315.8	31.3	1372	16	US-10-292-798-597	Sequence 597, App
44	310.8	30.8	954	11	US-09-965-422-15	Sequence 15, Appl
45	309.2	30.7	1339	15	US-10-017-161-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1

US-09-974-591-13
; Sequence 13, Application US/09974591
; Publication No. US20030059830A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E
; APPLICANT: Grose, William M
; APPLICANT: Lepiey, Denise M
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A
; TITLE OF INVENTION: No. US20030059830A1e1 Single Nucleotide Polymorphisms for Olfactor
; TITLE OF INVENTION: Receptor-like Polypeptides and Nucleic Acids Encoding
; TITLE OF INVENTION: the Same
; FILE REFERENCE: 15966-654 CIP
; CURRENT APPLICATION NUMBER: US/09/974,591
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/245,292
; PRIOR FILING DATE: 2000-11-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 1008
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (27) .. (998)
US-09-974-591-13

Query Match 100.0%; Score 1008; DB 10; Length 1008;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1008; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGCTGGAGATCTGGAACTTCCACAGCATGGAGCTCTGGAACTACCAACAGCATGGAGCTCT 60
DB 1 AGCTGGAGATCTGGAACTTCCACAGCATGGAGCTCTGGAACTACCAACAGCATGGAGCTCT 60

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QY 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTGGTGGGATTTCTGAATGACAGTGGGCTC 120
DB 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTGGTGGGATTTCTGAATGACAGTGGGCTC 120
QY 121 CTGAATGCTCTGTGCTACAAATACAAATCTATACTTTGGCCCTGATCAGCAATGGCC 180
DB 121 CTGAATGCTCTGTGCTACAAATACAAATCTATACTTTGGCCCTGATCAGCAATGGCC 180
QY 181 TACTGCTCTGCTATCAGCATGGAAGCCGGCTCCACATGCTCCCATGCTCTCTGCTT 240
DB 181 TACTGCTCTGCTATCAGCATGGAAGCCGGCTCCACATGCTCTCTGCTCTCTGCTT 240
QY 241 GGCAGCTCTCTCTCATGAGCTCTCTGTTCACTCTGCTGCTCACTCCCAAGCCCTTGGG 300
DB 241 GGCAGCTCTCTCTCATGAGCTCTCTGTTCACTCTGCTGCTCACTCCCAAGCCCTTGGG 300
QY 301 ACTTTTGGCGAGAGAAAACACCATCTCTCTTTGGAGGCTGTGCGCTTTCAGATGTTCTGG 360
DB 301 ACTTTTGGCGAGAGAAAACACCATCTCTCTTTGGAGGCTGTGCGCTTTCAGATGTTCTGG 360
QY 361 CACTGCAATGGGTGGTCTGAGACCTCTACTCTGCGCTTTCATGGCTTATGACAGGTATG 420
DB 361 CACTGCAATGGGTGGTCTGAGACCTCTACTCTGCGCTTTCATGGCTTATGACAGGTATG 420
QY 421 TGGCCATTTTCTCTCTGACATACATGACCTCTCATGAGCTCAAGAGCTCTGCTGCTCA 480
DB 421 TGGCCATTTTCTCTCTGACATACATGACCTCTCATGAGCTCAAGAGCTCTGCTGCTCA 480
QY 481 TGGTGGCCAGTCTCTGATCCTGGATCCCTTAAGTGGCCCTAAATATATATACCGTGTATACCA 540
DB 481 TGGTGGCCAGTCTCTGATCCTGGATCCCTTAAGTGGCCCTAAATATATATATACCGTGTATACCA 540
QY 541 TGCACATCTCTCTGAGGCCCCAGAGATCAGGATCTCTCTGCTGAGATCCCACT 600
DB 541 TGCACATCTCTCTGAGGCCCCAGAGATCAGGATCTCTCTGCTGAGATCCCACT 600
QY 601 TGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTG 660
DB 601 TGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTG 660
QY 661 TGACCTTCTGATTCCTCTCTGCTGCTATACCTCCAGATATGAGCTCATGGTATATGTGATGCTCA 720
DB 661 TGACCTTCTGATTCCTCTCTGCTGCTATACCTCCAGATATGAGCTCATGGTATATGTGATGCTCA 720
QY 721 CTGTGCTCCATATGCCATCAAAAGAGGAGGAGAAAGCCCTTGTACCTGCTCTTCCC 780
DB 721 CTGTGCTCCATATGCCATCAAAAGAGGAGGAGAAAGCCCTTGTACCTGCTCTTCCC 780
QY 781 ACCTGACTGTGGTGGGATGTTCTATGGAGCTGCCACATTCATGTATGTCTTGCCCGAGTT 840
DB 781 ACCTGACTGTGGTGGGATGTTCTATGGAGCTGCCACATTCATGTATGTCTTGCCCGAGTT 840
QY 841 CCTTCCACAGCACCAGACAGACAAATCATCTCTGTTTCTACAAATTTGCTCACTCCAG 900
DB 841 CCTTCCACAGCACCAGACAGACAAATCATCTCTGTTTCTACAAATTTGCTCACTCCAG 900
QY 901 CCTGGAATCCACTCATCTACAGCTGAGGAATAGGAGGTCTGCGGCTTTCAGGAGGG 960
DB 901 CCTGGAATCCACTCATCTACAGCTGAGGAATAGGAGGTCTGCGGCTTTCAGGAGGG 960
QY 961 TCTTGGGAAAATACATGCTGCCAGCACATCCACGCTCTAGGGAAGGA 1008
DB 961 TCTTGGGAAAATACATGCTGCCAGCACATCCACGCTCTAGGGAAGGA 1008
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RESULT 2

US-09-974-149-13

; Sequence 13, Application US/09974149
; Publication No. US20030175705A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E

; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Bader, Joel S
; APPLICANT: Bansal, Aruna
; TITLE OF INVENTION: Methods of Use for No. US20030175705A1: Single Nucleotide
; TITLE OF INVENTION: Polymorphisms of Olfactory Receptor-like Polypeptides
; TITLE OF INVENTION: and Nucleic Acids Encoding the Same
; FILE REFERENCE: 15966-654UB
; CURRENT APPLICATION NUMBER: US/09/974,149
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/323,755
; PRIOR FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 13
; LENGTH: 1008
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (27)..(998)
US-09-974-149-13

Query Match 100.0%; Score 1008; DB 10; Length 1008;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1008; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 AGCTGGAGATCTCGAACTTCCACAGCATGGAGCTCTGGAACCTACACAGCATGGAGCTCT 60
DB 1 AGCTGGAGATCTCGAACTTCCACAGCATGGAGCTCTGGAACCTACACAGCATGGAGCTCT 60
QY 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTGGTGGGATTTCTGAATGACAGTGGGCTC 120
DB 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTGGTGGGATTTCTGAATGACAGTGGGCTC 120
QY 121 CTGAATGCTCTCTGCTACAAATACAAATCTATACTTTGGCCCTGATCAGCAATGGCC 180
DB 121 CTGAATGCTCTCTGCTACAAATACAAATCTATACTTTGGCCCTGATCAGCAATGGCC 180
QY 181 TACTGCTCTCTGCTATCAGCATGGAAGCCGGCTCCACATGCTCCCATGCTCTGCTGCTG 240
DB 181 TACTGCTCTCTGCTATCAGCATGGAAGCCGGCTCCACATGCTCCCATGCTCTGCTGCTG 240
QY 241 GGCAGCTCTCTCTCATGAGCTCTCTGTTCACTCTGCTGCTCACTCCCAAGCCCTTGGG 300
DB 241 GGCAGCTCTCTCTCATGAGCTCTCTGTTCACTCTGCTGCTCACTCCCAAGCCCTTGGG 300
QY 301 ACTTTTGGCGAGAGAAAACACCATCTCTCTTTGGAGGCTGTGCGCTTTCAGATGTTCTGG 360
DB 301 ACTTTTGGCGAGAGAAAACACCATCTCTCTTTGGAGGCTGTGCGCTTTCAGATGTTCTGG 360
QY 361 CACTGCAATGGGTGGTCTGAGGACCTCTCTACTGCGCTTTCATGGCTTATGACAGGTATG 420
DB 361 CACTGCAATGGGTGGTCTGAGGACCTCTCTACTGCGCTTTCATGGCTTATGACAGGTATG 420
QY 421 TGGCCATTTTCTCTCTGACATACATGACCTCTCATGAGCTCAAGAGCTCTGCTGCTCA 480
DB 421 TGGCCATTTTCTCTCTGACATACATGACCTCTCATGAGCTCAAGAGCTCTGCTGCTCA 480
QY 481 TGGTGGCCAGTCTCTGATCCTGGATCCCTTAAGTGGCCCTAAATATATATACCGTGTATACCA 540
DB 481 TGGTGGCCAGTCTCTGATCCTGGATCCCTTAAGTGGCCCTAAATATATATACCGTGTATACCA 540
QY 541 TGCACATCTCTCTGAGGCCCCAGAGATCAGGATCTCTCTGCTGAGATCCCACT 600
DB 541 TGCACATCTCTCTGAGGCCCCAGAGATCAGGATCTCTCTGCTGAGATCCCACT 600
QY 601 TGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTG 660
DB 601 TGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTG 660
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US-09-777-789-10

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Query Match          99.8%; Score 1006.4; DB 10; Length 1008;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1007; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTGGAGATCTGGAATCTCCACAGCATGAGCTCTGGAACCTCCACAGCATGAGCTCT 60
DB 1 AGCTGGAGATCTGGAATCTCCACAGCATGAGCTCTGGAACCTCCACAGCATGAGCTCT 60

QY 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTTGGGGGATTTGAATGACAGTGGGTCTC 120
DB 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTTGGGGGATTTGAATGACAGTGGGTCTC 120

QY 121 CTGAACCTGCTCTGTGCTACAAATACAACTTACATCTGTTGGCCCTGATCAGCAATGGCC 180
DB 121 CTGAACCTGCTCTGTGCTACAAATACAACTTACATCTGTTGGCCCTGATCAGCAATGGCC 180

QY 181 TACTGCTCTCTGCTATCACCATGGAAGCCGGCTCCACATGCCCATGTACTCTCTGCTTG 240
DB 181 TACTGCTCTCTGCTATCACCATGGAAGCCGGCTCCACATGCCCATGTACTCTCTGCTTG 240

QY 241 GGAGCTCTCTCTCATGAGACCTCTGTTTCACTCTGTCGTCACCTCCAGGCCCTTGGCG 300
DB 241 GGAGCTCTCTCTCATGAGACCTCTGTTTCACTCTGTCGTCACCTCCAGGCCCTTGGCG 300

QY 301 ACTTTCTGCGCAGAGAAACACCATCTCTCTTTGGAGGCTGTGCCCTTCAGATGTTCTCTG 360
DB 301 ACTTTCTGCGCAGAGAAACACCATCTCTCTTTGGAGGCTGTGCCCTTCAGATGTTCTCTG 360

QY 361 CACTGCAATGGGTGGTGTGAGACCTCTCTACTGGCCCTTCATGGCCCTATGACAGGTATG 420
DB 361 CACTGCAATGGGTGGTGTGAGACCTCTCTACTGGCCCTTCATGGCCCTATGACAGGTATG 420

QY 421 TGGCCATTTGTCATCTCTGACATACATGACCTCTGAGCTCAAGAGCCTGTGGCTCA 480
DB 421 TGGCCATTTGTCATCTCTGACATACATGACCTCTGAGCTCAAGAGCCTGTGGCTCA 480

QY 481 TGGTGGCCAGCTCTGTCATCTGAGATCCCTAAAGTGGCCCTAAATATACCGTGTATACCA 540
DB 481 TGGTGGCCAGCTCTGTCATCTGAGATCCCTAAAGTGGCCCTAAATATACCGTGTATACCA 540

QY 541 TGCACATATCCCTTCTGAGGCGCCAGGAGATCAGGCATCTTCTCTGTGAGATCCCACT 600
DB 541 TGCACATATCCCTTCTGAGGCGCCAGGAGATCAGGCATCTTCTCTGTGAGATCCCACT 600

QY 601 TGTGTAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTG 660
DB 601 TGTGTAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGGTATATGTGATGGGTG 660

QY 661 TGACCTTCTCTGATTCCTCTCTTGTGCTATCTGAGCTCTGAGCTCTGATATGATGCTCA 720
DB 661 TGACCTTCTCTGATTCCTCTCTTGTGCTATCTGAGCTCTGAGCTCTGATATGATGCTCA 720

QY 721 CTGTGCTTCCATATGCCATCAAAATGAGGGAGGAGAAAGCCCTTGTACACCTCTCTTCCC 780
DB 721 CTGTGCTTCCATATGCCATCAAAATGAGGGAGGAGAAAGCCCTTGTACACCTCTCTTCCC 780

QY 781 ACCTGACTGTGGTGGGATGTTCTATGAGAGCTGCCATTCATGATATGCTTCCCAAGTT 840
DB 781 ACCTGACTGTGGTGGGATGTTCTATGAGAGCTGCCATTCATGATATGCTTCCCAAGTT 840

QY 841 CCTTCCACAGCACCAGACAGACAAATCATCTCTGTTTCTACAAATTTGCTCACTCCAG 900
DB 841 CCTTCCACAGCACCAGACAGACAAATCATCTCTGTTTCTACAAATTTGCTCACTCCAG 900

QY 901 CCTTGAATCCACTCATCTACAGCTGAGGAATAGGAGGTCTGCGGCCCTTGGAGGG 960
DB 901 CCTTGAATCCACTCATCTACAGCTGAGGAATAGGAGGTCTGCGGCCCTTGGAGGG 960

QY 961 TCGTGGGAAATACATCTGCCAGCACCTCCAGCTCTAGGAGGA 1008
DB 961 TCGTGGGAAATACATCTGCCAGCACCTCCAGCTCTAGGAGGA 1008
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RESULT 5
US-09-974-149-11
; Sequence 11, Application US/09974149
; Publication No. US20030175705A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Bader, Joel S
; APPLICANT: Bansal, Aruna
; TITLE OF INVENTION: Methods of Use for No. US20030175705A1el Single Nucleotide
; TITLE OF INVENTION: Polymorphisms of Olfactory Receptor-like Polypeptides
; FILE REFERENCE: 15966-654UB
; CURRENT APPLICATION NUMBER: US/09/974,149
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/323,755
; PRIOR FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1008
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (27)..(998)
US-09-974-149-11
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Query Match          99.8%; Score 1006.4; DB 10; Length 1008;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1007; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTGGAGATCTGGAATCTCCACAGCATGAGCTCTGGAACCTCCACAGCATGAGCTCT 60
DB 1 AGCTGGAGATCTGGAATCTCCACAGCATGAGCTCTGGAACCTCCACAGCATGAGCTCT 60

QY 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTTGGGGGATTTCTGAATGACAGTGGGTCTC 120
DB 61 GGAACCTTCACTTGGGAAGTGGCTTCAATTTTGGGGGATTTCTGAATGACAGTGGGTCTC 120

QY 121 CTGAACCTGCTCTGTGCTACAAATACAACTTACATCTGTTGGCCCTGATCAGCAATGGCC 180
DB 121 CTGAACCTGCTCTGTGCTACAAATACAACTTACATCTGTTGGCCCTGATCAGCAATGGCC 180

QY 181 TACTGCTCTCTGCTATCACCATGGAAGCCGGCTCCACATGCCCATGTACTCTCTGCTTG 240
DB 181 TACTGCTCTCTGCTATCACCATGGAAGCCGGCTCCACATGCCCATGTACTCTCTGCTTG 240

QY 241 GGAGCTCTCTCTCATGAGACCTCTCTGTTCACTCTGTCGTCACCTCCCAAGGCCCTTGGCG 300
DB 241 GGAGCTCTCTCTCATGAGACCTCTCTGTTCACTCTGTCGTCACCTCCCAAGGCCCTTGGCG 300

QY 301 ACTTTCTGCGCAGAGAAACACCATCTCTCTTTGGAGGCTGTGCCCTTCAGATGTTCTCTG 360
DB 301 ACTTTCTGCGCAGAGAAACACCATCTCTCTTTGGAGGCTGTGCCCTTCAGATGTTCTCTG 360

QY 361 CACTGCAATGGGTGGTGTGAGACCTCTCTACTGGCCCTTCATGGCCCTATGACAGGTATG 420
DB 361 CACTGCAATGGGTGGTGTGAGACCTCTCTACTGGCCCTTCATGGCCCTATGACAGGTATG 420

QY 421 TGGCCATTTGTCATCTCTGACATACATGACCTCTGAGCTCAAGAGCCTGTGGCTCA 480
DB 421 TGGCCATTTGTCATCTCTGACATACATGACCTCTGAGCTCAAGAGCCTGTGGCTCA 480

QY 481 TGGTGGCCAGCTCTGTCATCTGAGATCCCTAAAGTGGCCCTAAATATACCGTGTATACCA 540
DB 481 TGGTGGCCAGCTCTGTCATCTGAGATCCCTAAAGTGGCCCTAAATATACCGTGTATACCA 540
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QY 541 TGCATATCCCTTCTGAGGCGCCAGGAGATCAGGCATCTTCTGTGAGATCCACACT 600
Db 541 TGCATATCCCTTCTGAGGCGCCAGGAGATCAGGCATCTTCTGTGAGATCCACACT 600
QY 601 TGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGTTATGTTGAGTGGTG 660
Db 601 TGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCATGTTATGTTGAGTGGTG 660
QY 661 TGACCTTCTGATTCCTCTCTTGTGCTATPACTGGCTCCCTATACACAAATTTCTACTCA 720
Db 661 TGACCTTCTGATTCCTCTCTTGTGCTATPACTGGCTCCCTATACACAAATTTCTACTCA 720
QY 721 CTGTGCTCCATATGATGATCAAAATGAGGAGGAGAAAGCCCTGTGCTGCTTCCC 780
Db 721 CTGTGCTCCATATGATGATCAAAATGAGGAGGAGAAAGCCCTGTGCTGCTTCCC 780
QY 781 ACCTGACTGTGTTGGGATGTTCTATGAGCTGCCACATTCATGTTCTTGGCCAGTT 840
Db 781 ACCTGACTGTGTTGGGATGTTCTATGAGCTGCCACATTCATGTTCTTGGCCAGTT 840
QY 841 CTTTCCACAGCACCAGACAAGACATCATCTCTGTTTTCTACACAAATTTCTACTCCAG 900
Db 841 CTTTCCACAGCACCAGACAAGACATCATCTCTGTTTTCTACACAAATTTCTACTCCAG 900
QY 901 CCCTGAATCCACTCATCTACAGCTGAGGAATAGGAGGTGATGCGGGCCTTGAGGAGG 960
Db 901 CCCTGAATCCACTCATCTACAGCTGAGGAATAGGAGGTGATGCGGGCCTTGAGGAGG 960
QY 961 TCCTGGGAAATACATGCTGCCAGCACACTCACGCTCTAGGGAAGGA 1008
Db 961 TCCTGGGAAATACATGCTGCCAGCACACTCACGCTCTAGGGAAGGA 1008

RESULT 6

US-09-777-789-8
; Sequence 8, Application US/09777789
; Publication No. US20030087815A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru et al.
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; CURRENT APPLICATION NUMBER: US/09/777,789
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/180,646
; PRIOR FILING DATE: 2000-02-07
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1050
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-777-789-8

Query Match 95.5%; Score 962.8; DB 10; Length 1050;
Best Local Similarity 99.8%; Pred. No. 6.5e-308;
Matches 964; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 43 ACCACAGATGAGCTCTGGAACCTTCCCTTGGGAAGTGGCTTCAATTTTGGTGGGATTC 102
Db 54 ACCACAGATGAGCTCTGGAACCTTCCCTTGGGAAGTGGCTTCAATTTTGGTGGGATTC 123
QY 103 TGAATGACAGTGGGTCTCTGAACTGCTGTGCTACAAATTAATTCATTTACTTTGGTGG 162
Db 124 TGAATGACAGTGGGTCTCTGAACTGCTGTGCTACAAATTAATTCATTTACTTTGGTGG 183
QY 163 CCCTGATGAGCAATGGCTTACTGCTCTGCTGCTATACCAATGAGCCCGCTCCACATGC 222
Db 184 CCCTGATGAGCAATGGCTTACTGCTCTGCTGCTATACCAATGAGCCCGCTCCACATGC 243
QY 223 CCATGTACCTCTGCTTGGGAGCTCTCTCATGAGACCTCTGTTTCATCTGTGCTCA 282
Db 244 CCATGTACCTCTGCTTGGGAGCTCTCTCATGAGACCTCTGTTTCATCTGTGCTCA 303

QY 283 CTCCAGGCGCTTGGGACTTTCTGCGCAGAGAAAACACCATCTCTTTTGGAGGCTGTG 342
Db 304 CTCCAGGCGCTTGGGACTTTCTGCGCAGAGAAAACACCATCTCTTTTGGAGGCTGTG 363
QY 343 CCCTTCAGATGTTCTCTGGCACTGACAAATGGGTGGTGTGAGGACCTCTACTTGGCCTTCA 402
Db 364 CCCTTCAGATGTTCTCTGGCACTGACAAATGGGTGGTGTGAGGACCTCTACTTGGCCTTCA 423
QY 403 TGGCCTATGACAGGTATGTGGCCATTTGTCTCTGTGACATACATGACCCCTCATGAGCT 462
Db 424 TGGCCTATGACAGGTATGTGGCCATTTGTCTCTGTGACATACATGACCCCTCATGAGCT 483
QY 463 CAAGAGCTGTGCTCATGTTGTCGCCACCTCTGCGATCCCTGGCATCCCTAAGTGCCTTAA 522
Db 484 CAAGAGCTGTGCTCATGTTGTCGCCACCTCTGCGATCCCTGGCATCCCTAAGTGCCTTAA 543
QY 523 TATATACCGTGTATACCATGCACTTATCCCTTCTCAGGGCCAGAGATCAGGATCTTC 582
Db 544 TATATACCGTGTATACCATGCACTTATCCCTTCTCAGGGCCAGAGATCAGGATCTTC 603
QY 583 TCTGTGAGATCCCACTGCTGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCA 642
Db 604 TCTGTGAGATCCCACTGCTGCTGAAGTTGGCTGTGCTGATACCTCCAGATATGAGCTCA 663
QY 643 TGGTATATGTGATGGGTGTGACCTTCTGATTCCTCTCTTGTGCTGCTATCTTGGCTCTCT 702
Db 664 TGGTATATGTGATGGGTGTGACCTTCTGATTCCTCTCTTGTGCTGCTATCTTGGCTCTCT 723
QY 703 ATACACAAATTTCTACTCTGCTGCTCCATATGCCATCAATGAGGGGAGGAAAGGCC 762
Db 724 ATACACAAATTTCTACTCTGCTGCTCCATATGCCATCAATGAGGGGAGGAAAGGCC 783
QY 763 TTGTCACTGCTCTTCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 822
Db 784 TTGTCACTGCTCTTCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 843
QY 823 TGTATGCTTGGCCAGTTCTTCCACAGCAGCAGACAGACAAACATCATCTCTGTTTCT 882
Db 844 TGTATGCTTGGCCAGTTCTTCCACAGCAGCAGACAGACAAACATCATCTCTGTTTCT 903
QY 883 ACACAAATTTCTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 942
Db 904 ACACAAATTTCTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
QY 943 TGGCGGCTTGGAGGAGGTCTTGGGAAATATGCTGCGAGCACACTCCAGCTCTAGG 1002
Db 964 TGGCGGCTTGGAGGAGGTCTTGGGAAATATGCTGCGAGCACACTCCAGCTCTAGG 1023
QY 1003 GAAGGA 1008
Db 1024 GAAGGA 1029

RESULT 7

US-10-017-161-309
; Sequence 309, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 309
; LENGTH: 1351

; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(1351)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(1151)
US-10-017-161-309

Query Match 95.5%; Score 962.8; DB 15; Length 1351;

Best Local Similarity 99.8%; Pred. No. 7.3e-308;
Matches 964; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 43 ACCACAGCATGGAGCTCTGGAATTCACCTTGGGAAGTGGCTTCATTTTGGTGGGATTC 102
Db 193 ACCACAGCATGGAGCTCTGGAATTCACCTTGGGAAGTGGCTTCATTTTGGTGGGATTC 252
QY 103 TGAATGACAGTGGGTCTCTGGAATCTGTCTGTGTGCTACAATTAACAATCTATCTTGTGG 162
Db 253 TGAATGACAGTGGGTCTCTGGAATCTGTCTGTGTGCTACAATTAACAATCTATCTTGTGG 312
QY 163 CCTGTATCAGCAATGGCTACTGCTCTGCTGCTATCACATGGAAGCCGGCTCCATATGC 222
Db 313 CCTGTATCAGCAATGGCTACTGCTCTGCTGCTATCACATGGAAGCCGGCTCCATATGC 372
QY 223 CCATGTACCTCTCTGCTTGGGAGCTCTCTCTCATGAGACCTCTGTTTACATCTGTGTGCA 282
Db 373 CCATGTACCTCTCTGCTTGGGAGCTCTCTCTCATGAGACCTCTGTTTACATCTGTGTGCA 432
QY 283 CTCCCAAGGCCCTTGGGAGCTTCTGGGAGAGAAACACCATCTCTTTGGAGGCTGTG 342
Db 433 CTCCCAAGGCCCTTGGGAGCTTCTGGGAGAGAAACACCATCTCTTTGGAGGCTGTG 492
QY 343 CCCTTCAGATGTTCTTGGCACTGACAAATGGTGTGTGTGAGGACCTCTTACTGGCCTTCA 402
Db 493 CCCTTCAGATGTTCTTGGCACTGACAAATGGTGTGTGTGAGGACCTCTTACTGGCCTTCA 552
QY 403 TGGCCTATGACAGGATGTTGGCCATTTGTTCATCTCTGACATACATGACCTCATGAGCT 462
Db 553 TGGCCTATGACAGGATGTTGGCCATTTGTTCATCTCTGACATACATGACCTCATGAGCT 612
QY 463 CAAGAGCCTGTGGCTATGTTGGTGGCCAGCTCTGGAATCTGGGATCTTAAAGTGGCCTTAA 522
Db 613 CAAGAGCCTGTGGCTATGTTGGTGGCCAGCTCTGGAATCTGGGATCTTAAAGTGGCCTTAA 672
QY 523 TATATACCGTGTATACCATGCACTATCCCTTCTGAGGGGCCAGGAGATCAGGCATCTTC 582
Db 673 TATATACCGTGTATACCATGCACTATCCCTTCTGAGGGGCCAGGAGATCAGGCATCTTC 732
QY 583 TCTGTGAGATCCACACTTGTGAGTGGCCCTGTGATACCTCCAGATATGAGCTCA 642
Db 733 TCTGTGAGATCCACACTTGTGAGTGGCCCTGTGATACCTCCAGATATGAGCTCA 792
QY 643 TGGTATATGATGGGTGTGACCTTCTGATTCCTCTTGTGTGCTATCTGGGCTCTCT 702
Db 793 TGGTATATGATGGGTGTGACCTTCTGATTCCTCTTGTGTGCTATCTGGGCTCTCT 852
QY 703 ATACACAAATTTACTCACTGTGCTCCATATGCCATCAATAGAGGGGAGGAGAAAGCCC 762
Db 853 ATACACAAATTTACTCACTGTGCTCCATATGCCATCAATAGAGGGGAGGAGAAAGCCC 912
QY 763 TTGTACCTGTCTTCCCACTGCTGCTGTTGGGATGTTCTATGAGGCTGCCACATTTCA 822
Db 913 TTGTACCTGTCTTCCCACTGCTGCTGTTGGGATGTTCTATGAGGCTGCCACATTTCA 972
QY 823 TGTATCTTGTGCCAGTTCCTTCCACAGCAGCAGCAACAACATCATCTCTGTTTCT 882
Db 973 TGTATCTTGTGCCAGTTCCTTCCACAGCAGCAGCAACAACATCATCTCTGTTTCT 1032
QY 883 ACACAATTTGCACTCCAGCCCTGAATCCCACTCATCTACAGCCTGAGGAATAGAGGCTCA 942
Db 1033 ACACANTTTGCACTCCAGCCCTGAATCCCACTCATCTACAGCCTGAGGAATAGAGGCTCA 1092

QY 943 TGGGGGCTTTGAGGAGGCTCTGGGAAAAATACATGTGCGAGACACTCCACGCTCTAGG 1002
Db 1093 TGGGGGCTTTGAGGAGGCTCTGGGAAAAATACATGTGCGAGACACTCCACGCTCTAGG 1152
QY 1003 GAAGGA 1008
Db 1153 GAAGGA 1158

RESULT 8

US-10-292-798-275
; Sequence 275, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 275
; LENGTH: 1351
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: source
; FEATURE:
; LOCATION: (1)..(1351)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(1151)
US-10-292-798-275

Query Match 95.5%; Score 962.8; DB 16; Length 1351;
Best Local Similarity 99.8%; Pred. No. 7.3e-308;
Matches 964; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 43 ACCACAGCATGGAGCTCTGGAATTCACCTTGGGAAGTGGCTTCATTTTGGTGGGATTC 102
Db 193 ACCACAGCATGGAGCTCTGGAATTCACCTTGGGAAGTGGCTTCATTTTGGTGGGATTC 252
QY 103 TGAATGACAGTGGGTCTCTGGAACCTCTCTGTGCTACAATTAACAATCTATCTTGTGG 162
Db 253 TGAATGACAGTGGGTCTCTGTGACTGCTCTGTGCTACAATTAACAATCTATCTTGTGG 312
QY 163 CCTGTATCAGCAATGGCTTACTGCTCTGGCTATCACATGGAAGCCGGCTCCATATGC 222
Db 313 CCTGTATCAGCAATGGCTTACTGCTCTGGCTATCACATGGAAGCCGGCTCCATATGC 372
QY 223 CCATGTACCTCTGCTTGGGAGCTCTCTCTCATGAGACCTCTGTTTCACTCTGCTCA 282
Db 373 CCATGTACCTCTGCTTGGGAGCTCTCTCTCATGAGACCTCTGTTTCACTCTGTTGCTCA 432
QY 283 CTCCCAAGGCCCTTGGGAGCTTCTGCGCAGAGAAACACCATCTCTCTTTGGAGGCTGTG 342
Db 433 CTCCCAAGGCCCTTGGGAGCTTCTGCGCAGAGAAACACCATCTCTTTGGAGGCTGTG 492
QY 343 CCTTCAGATGTTCTGGCACTGACAAATGGGTGGTGTCTGAGGACCTCTTACTGGCCTTCA 402
Db 493 CCTTCAGATGTTCTGGCACTGACAAATGGGTGGTGTCTGAGGACCTCTTACTGGCCTTCA 552
QY 403 TGGCCTATGACAGGATGTTGGCCATTTGTTCATCTCTGACATACATGACCTCATGAGCT 462
Db 553 TGGCCTATGACAGGATGTTGGCCATTTGTTCATCTCTGACATACATGACCTCATGAGCT 612

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QY 463 CAAGAGCCTGCTGGCTCATGTGGCCAGCTCTGGATCCTGGCATCCCTAAGTGGCCCTAA 522
Db 613 CAAGAGCCTGCTGGCTCATGTGGCCAGCTCTGGATCCTGGCATCCCTAAGTGGCCCTAA 672
QY 523 TATATACCGTGTATACCATGACATATCCCTCTGTCAGGGCCAGGAGATCAGGATCTTC 582
Db 673 TATATACCGTGTATACCATGACATATCCCTCTGTCAGGGCCAGGAGATCAGGATCTTC 732
QY 583 TCTGTGAGATCCCAACATTTGCTGAAGTTGGCTGTGTGATACCTCCAGATATGAGCTCA 642
Db 733 TCTGTGAGATCCCAACATTTGCTGAAGTTGGCTGTGTGATACCTCCAGATATGAGCTCA 792
QY 643 TGGTATATGATGAGGTGGTGGCTTCCGATTCCTCTCTGCTGCTATATGAGCTTCT 702
Db 793 TGGTATATGATGAGGTGGTGGCTTCCGATTCCTCTCTGCTGCTATATGAGCTTCT 852
QY 703 ATACACAAATTTCTACTCTGCTGCTCCATATGCCATCAATGAGGGGAGGAGAAAGCCC 762
Db 853 ATACACAAATTTCTACTCTGCTGCTCCATATGCCATCAATGAGGGGAGGAGAAAGCCC 912
QY 763 TTGTCACTGCTCTTCCACCTGACTGTGTGGATGTTCTATGAGAGCTGCCAATTC 822
Db 913 TTGTCACTGCTCTTCCACCTGACTGTGTGGATGTTCTATGAGAGCTGCCAATTC 972
QY 823 TGTATGCTTCCCGAGTCTTCCACAGCACCAGACAGAACATCATCTCTGTTTCT 882
Db 973 TGTATGCTTCCCGAGTCTTCCACAGCACCAGACAGAACATCATCTCTGTTTCT 1032
QY 883 ACACAAATTTGCTCACTCCAGCCTGAACTCACTCATCTAGCCTGAGGAAATAGGAGGTCA 942
Db 1033 ACACAAATTTGCTCACTCCAGCCTGAACTCACTCATCTAGCCTGAGGAAATAGGAGGTCA 1092
QY 943 TCGGGGCTTGAGGAGGTCTCGGAAATATCATGCTGCCAGCACACTCCAGCTCTTAGG 1002
Db 1093 TCGGGGCTTGAGGAGGTCTCGGAAATATCATGCTGCCAGCACACTCCAGCTCTTAGG 1152
QY 1003 GAAGGA 1008
Db 1153 GAAGGA 1158

RESULT 9
US-09-886-055-198
; Sequence 198, Application US/09886055
; Patent No. US2002013273A1
; GENERAL INFORMATION:
; APPLICANT: STRYER, LUBERT
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: RECEPTOR FINGERPRINTING, SENSORY PERCEPTION, AND
; TITLE OF INVENTION: BIOSENSORS OF CHEMICAL SENSANTS
; FILE REFERENCE: 078003-0271150
; CURRENT APPLICATION NUMBER: US/09/886,055
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,812
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 198
; LENGTH: 951
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-886-055-198

Query Match 94.0%; Score 947.8; DB 9; Length 951;
Best Local Similarity 99.8%; Pred. No. 5.8e-303;
Matches 949; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 51 ATGGAGCTCTGGAATTCACCTTGGGAAGTGGCTTCATTTGGTGGGATTCATGATGAC 110
Db 1 ATGGAGCTCTGGAATTCACCTTGGGAAGTGGCTTCATTTGGTGGGATTCATGATGAC 60
QY 111 AGTGGGTCTCTGAACTGCTGTGCTACAAATTAACAATCCTATATCTTGTGGCCCTGATC 170
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Db 61 AGTGGGTCTCTGAACTGCTGTGCTACAAATTAACAATCCTATATCTTGTGGCCCTGATC 120
QY 171 AGCAATGGCCTTACTGCTCTGGCTATACCAATGAAAGCCCGGCTCCACATGCCCATGATC 230
Db 121 AGCAATGGCCTTACTGCTCTGGCTATACCAATGAAAGCCCGGCTCCACATGCCCATGATC 180
QY 231 CTCCTGCTTGGGAGCTCTCTCATGAGACCTCTGTTTTCATCATGTCGTCACCTCCCAAG 290
Db 181 CTCCTGCTTGGGAGCTCTCTCTCATGAGACCTCTCTGTTTTCATCATGTCGTCACCTCCCAAG 240
QY 291 GCCCTTGGGAGCTTCTTCTGCGCAGAGAAAACCAATCTCTCTTTGGAGGCTGTGCCCTTCAG 350
Db 241 GCCCTTGGGAGCTTCTTCTGCGCAGAGAAAACCAATCTCTCTTTGGAGGCTGTGCCCTTCAG 300
QY 351 ATGTTCTGGCAGCTGACAAATGGGTGGTGTGAGACCTCTCTACTGAGGCTTCTATGAGCTTAT 410
Db 301 ATGTTCTGGCAGCTGACAAATGGGTGGTGTGAGACCTCTCTACTGAGGCTTCTATGAGCTTAT 360
QY 411 GACAGGTATGAGCCTTGTTCATCTCTGACATACATGACCTCATGAGCTCAAGAGCC 470
Db 361 GACAGGTATGAGCCTTGTTCATCTCTGACATACATGACCTCATGAGCTCAAGAGCC 420
QY 471 TGCTGGCTCATGTTGGCCACCTCTCTGGATCTCTGGCATCCCTAAGTGGCTTAAATATATACC 530
Db 421 TGCTGGCTCATGTTGGCCACCTCTCTGGATCTCTGGCATCCCTAAGTGGCTTAAATATATACC 480
QY 531 GTGTATACCATGACATATCTCTCTGAGAGGCCAGAGATCAGGATCTTCTCTGTGAG 590
Db 481 GTGTATACCATGACATATCTCTCTGAGAGGCCAGAGATCAGGATCTTCTCTGTGAG 540
QY 591 ATCCACACATGCTGAGTGTGGCTGTGCTATACCTCCAGATATGAGCTCATGATATAT 650
Db 541 ATCCACACATGCTGAGTGTGGCTGTGCTATACCTCCAGATATGAGCTCATGATATAT 600
QY 651 GTGATGGTGTGACCTTCTGATTCCTCTCTGCTGCTATCTACTGGCTTCTATACACAA 710
Db 601 GTGATGGTGTGACCTTCTGATTCCTCTCTGCTGCTATCTACTGGCTTCTATACACAA 660
QY 711 ATTCTACTGCTGTGCTCATATGCTCAATGAGGAGGAGAGAAAGCCCTGTGTACC 770
Db 661 ATTCTACTGCTGTGCTCATATGCTCAATGAGGAGGAGAGAAAGCCCTGTGTACC 720
QY 771 TGCTCTTCCACCTGACTGTGTTGGGATGTTCTATGAGCTGCCACATTCATGATGTC 830
Db 721 TGCTCTTCCACCTGACTGTGTTGGGATGTTCTATGAGCTGCCACATTCATGATGTC 780
QY 831 TTGCCAGTTCCTTCCAGCAGCAGCAAGCAACATCATCTCTGTTTCTTACACAAT 890
Db 781 TTGCCAGTTCCTTCCAGCAGCAGCAAGCAACATCATCTCTGTTTCTTACACAAT 840
QY 891 GTCATCCAGCCTGAAATCCACTCATCTACAGCTGAGGATTAAGGAGGTATGCGGGCC 950
Db 841 GTCATCCAGCCTGAAATCCACTCATCTACAGCTGAGGATTAAGGAGGTATGCGGGCC 900
QY 951 TTGAGGAGGTCTGGGAAATATCATGCTGCCAGCACACTCCAGCTCTAG 1001
Db 901 TTGAGGAGGTCTGGGAAATATCATGCTGCCAGCACACTCCAGCTCTAG 951

RESULT 10
US-09-804-291-198
; Sequence 198, Application US/09804291
; Publication No. US20030088059A1
; GENERAL INFORMATION:
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: HUMAN OLFACTORY RECEPTORS AND GENES ENCODING SAME
; FILE REFERENCE: P 0278005
; CURRENT APPLICATION NUMBER: US/09/804,291
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/188,914
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/192,033
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; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: 60/198,474
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/199,335
; PRIOR FILING DATE: 2000-04-24
; PRIOR APPLICATION NUMBER: 60/207,702
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/213,849
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/226,534
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/230,732
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/266,862
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 529
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 198
; LENGTH: 951
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-804-291-198

Query Match      94.0%; Score 947.8; DB 10; Length 951;
Best Local Similarity 99.8%; Pred. No. 5.8e-303;
Matches 949; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 51 ATGGAGCTCTGGAACTTCACTTGGGAAGTGGCTTCATTTGGTGGGATTCGTAATGAC 110
DB 1 ATGGAGCTCTGGAACTTCACTTGGGAAGTGGCTTCATTTGGTGGGATTCGTAATGAC 60

QY 111 AGTGGTCTCTGAACTGCTGTGTGTACAAATACAACTCTATATCTTGTGGCCCTGATC 170
DB 61 AGTGGTCTCTGAACTGCTGTGTGTACAAATACAACTCTATATCTTGTGGCCCTGATC 120

QY 171 AGCAATGGCTACTGCTCTGGTATACCAATGGAAGCCGGCTCCACATGCCCATTGTAC 230
DB 121 AGCAATGGCTACTGCTCTGGTATACCAATGGAAGCCGGCTCCACATGCCCATTGTAC 180

QY 231 CTCCTCTGGGAGCTCTCTCATGGACCTCTCTGTACATCTCTGTCTGCTCACTCCCAAG 290
DB 181 CTCCTCTGGGAGCTCTCTCATGGACCTCTCTGTGTACATCTCTGTGTCTCACTCCCAAG 240

QY 291 GCCCTTGGGAGCTTTCTGGGAGGAAACACCATCTCTCTTGGAGGCTGTGCCCTTCAG 350
DB 241 GCCCTTGGGAGCTTTCTGGGAGGAAACACCATCTCTCTTGGAGGCTGTGCCCTTCAG 300

QY 351 ATGTTCTCGCACTGACAAATGGGTGGTGTGAGGACCTCTCTACTGGCCTTCATGGCCTAT 410
DB 301 ATGTTCTCGCACTGACAAATGGGTGGTGTGAGGACCTCTCTACTGGCCTTCATGGCCTAT 360

QY 411 GACAGTATGTGCCAATTTGTATCTCTGTGACATACATGACCCCTCATGAGCTCAAGGCC 470
DB 361 GACAGTATGTGCCAATTTGTATCTCTGTGACATACATGACCCCTCATGAGCTCAAGGCC 420

QY 471 TGTGGCTCATGTGGCCACGTCCTGGATCCTGGCATCCCTAAAGTGCCTTAATATATACC 530
DB 421 TGTGGCTCATGTGGCCACGTCCTGGATCCTGGCATCCCTAAAGTGCCTTAATATATACC 480

QY 531 GTGTATACCATGACATCTCCCTCTGAGGCCCCAGGAGATCAGGCACTCTCTCTGTGAG 590
DB 481 GTGTATACCATGACATCTCCCTCTGAGGCCCCAGGAGATCAGGCACTCTCTCTGTGAG 540

QY 591 ATCCCAACATCTGCTGAAGTTGGCTGTGTGTGATCTCCAGATATGAGCTCATGGTATAT 650
DB 541 ATCCCAACATCTGCTGAAGTTGGCTGTGTGTGATCTCCAGATATGAGCTCATGGTATAT 600

QY 651 GTGATGGGTGACCTTCTGATTCCTCTCTTGTGCTATATCTGCTGCTATATGAGCTCTTACACAA 710
DB 601 GTGATGGGTGACCTTCTGATTCCTCTCTTGTGCTATATCTGCTGCTATATGAGCTCTTACACAA 660

QY 711 ATTCTACTGCTGTCTCCATATGCAATCAATGAGGGGAGGAAAGGCCCTTGTACCC 770

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DB 661 ATTCTACTCACTGTGTCTCCATATGCCATCAAAATGAGGGAGGAGAAAGCCCTTGTCAAC 720
QY 771 TGCTCTTCCACCTGACTGTGGTGGATGTTCTATGGAGCTGCCACATTCATGTATGTC 830
DB 721 TGCTCTTCCACCTGACTGTGGTGGATGTTCTATGGAGCTGCCACATTCATGTATGTC 780
QY 831 TTGCCCAAGTTCTTCCACAGCACCAGACAAGACAACATCATCTCTGTTTCTACACAAT 890
DB 781 TTGCCCAAGTTCTTCCACAGCACCAGACAAGACAACATCATCTCTGTTTCTACACAAT 840
QY 891 GTCACTCCAGCCCTGAATCCATCTCTACAGCTGAGGAATAGGAGGTCAATGCGGCC 950
DB 841 GTCACTCCAGCCCTGAATCCATCTCTACAGCTGAGGAATAGGAGGTCAATGCGGCC 900
QY 951 TTGAGGAGGCTCTCTGGGAAATACATGCTGCCAGCACACTCCACGCTCTAG 1001
DB 901 TTGAGGAGGCTCTCTGGGAAATACATGCTGCCAGCACACTCCACGCTCTAG 951

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RESULT 11
US-10-343-650A-513
; Sequence 513, Application US/10343650A
; Publication No. US20040067499A1
; GENERAL INFORMATION:
; APPLICANT: HAGA, TATSUYA
; TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 31671-186347
; CURRENT APPLICATION NUMBER: US/10/343,650A
; PRIOR FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: JP 2000/237818
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: JP 2001/34434
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 694
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 513
; LENGTH: 951
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(951)
US-10-343-650A-513

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Query Match      94.0%; Score 947.8; DB 13; Length 951;
Best Local Similarity 99.8%; Pred. No. 5.8e-303;
Matches 949; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 51 ATGGAGCTCTGGAACTTCACTTGGGAAGTGGCTTCATTTGGTGGGATTCGTAATGAC 110
DB 1 ATGGAGCTCTGGAACTTCACTTGGGAAGTGGCTTCATTTGGTGGGATTCGTAATGAC 60

QY 111 AGTGGTCTCTGAACTGCTGTGTGTACAAATACAACTCTATATCTTGTGGCCCTGATC 170
DB 61 AGTGGTCTCTGAACTGCTGTGTGTACAAATACAACTCTATATCTTGTGGCCCTGATC 120

QY 171 AGCAATGGCTACTGCTCTGGTATACCAATGGAAGCCGGCTCCACATGCCCATTGTAC 230
DB 121 AGCAATGGCTACTGCTCTGGTATACCAATGGAAGCCGGCTCCACATGCCCATTGTAC 180

QY 231 CTCCTCTGGGAGCTCTCTCTCATGGACCTCTCTGTGTACATCTCTGTGTCTCACTCCCAAG 290
DB 181 CTCCTCTGGGAGCTCTCTCTCATGGACCTCTCTGTGTACATCTCTGTGTCTCACTCCCAAG 240

QY 291 GCCCTTGGGAGCTTTCTGGGAGGAAACACCATCTCTCTTGGAGGCTGTGCCCTTCAG 350
DB 241 GCCCTTGGGAGCTTTCTGGGAGGAAACACCATCTCTCTTGGAGGCTGTGCCCTTCAG 300

QY 351 ATGTTCTCGCACTGACAAATGGGTGGTGTGAGGACCTCTCTACTGGCCTTCATGGCCTAT 410
DB 301 ATGTTCTCGCACTGACAAATGGGTGGTGTGAGGACCTCTCTACTGGCCTTCATGGCCTAT 360

QY 411 GACAGTATGTGGCCAATTTGTATCTCTGTGACATACATGACCCCTCATGAGCTCAAGGCC 470

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Db 361 GACAGGTAATGGCCATTTGTCATCTCTGACATACATGACCCCTCATGAGCTCAGAGCC 420
Qy 471 TGCTGGCTCATGGTGGCCACGTCCTGGATCCTGGCATCCCTAAGTCCCTAATATATACC 530
Db 421 TGCTGGCTCATGGTGGCCACGTCCTGGATCCTGGCATCCCTAAGTCCCTAATATATACC 480
Qy 531 GTGTATACCATGCACTATCCCTCTGCGAGGCCCGAGGAGATCAGGCATCTTCTGTGAG 590
Db 481 GTGTATACCATGCACTATCCCTCTGCGAGGCCCGAGGAGATCAGGCATCTTCTGTGAG 540
Qy 591 ATCCACACACTTGCTGAAAGTGTGGCCCTGTGCTGATACCTCCAGATATGAGCTCATGTATAT 650
Db 541 ATCCACACACTTGCTGAAAGTGTGGCCCTGTGCTGATACCTCCAGATATGAGCTCATGTATAT 600
Qy 651 GTGATGGGTGAGCTTCTGATCCCTCTGATCCCTCTGCTGCTGATCTGCTGCTGCTGCTGCTG 710
Db 601 GTGATGGGTGAGCTTCTGATCCCTCTGATCCCTCTGCTGCTGATCTGCTGCTGCTGCTGCTG 660
Qy 711 ATCTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 770
Db 661 ATCTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
Qy 771 TGCTCTTCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 830
Db 721 TGCTCTTCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
Qy 831 TTGCCAGATTCCTCCACAGACACAGACAGACAGACAGACAGACAGACAGACAGACAGACAG 890
Db 781 TTGCCAGATTCCTCCACAGACACAGACAGACAGACAGACAGACAGACAGACAGACAGACAG 840
Qy 891 GTCACCTCAGCCCTGAATCCATCTACATCTACAGCTGAGGATAGGAGGATAGGAGGATAGG 950
Db 841 GTCACCTCAGCCCTGAATCCATCTACATCTACAGCTGAGGATAGGAGGATAGGAGGATAGG 900
Qy 951 TTGAGGAGGCTCTGGGAAATATACATGCTGCCAGCACACTCCACGCTCTAG 1001
Db 901 TTGAGGAGGCTCTGGGAAATATACATGCTGCCAGCACACTCCACGCTCTAG 951
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RESULT 12

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US-10-220-382-39
; Sequence 39, Application US/10220382
; Publication No. US20030119111A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: LAL, Preeti
; APPLICANT: TANG, Y. Tom
; APPLICANT: PATTERSON, Chandra
; APPLICANT: YAO, Monique G.
; APPLICANT: SHIH, Leo L.
; APPLICANT: TRIBOULEY, Catherine
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: YUE, Henry
; APPLICANT: KHAN, Farzad A.
; APPLICANT: POLICKY, Jennifer L.
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: YANG, Junming
; APPLICANT: HARLAND, Lee
; APPLICANT: WALSH, Roderick T.
; APPLICANT: LO, Terence P.
; APPLICANT: BOROMSKY, Mark L.
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0044 PCT
; CURRENT APPLICATION NUMBER: US/10/220,382
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,854; 60/188,384; 60/190,453; 60/190,730
; PRIOR FILING DATE: 2000-03-03; 2000-03-10; 2000-03-17; 2000-03-20
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PERL Program
; SEQ ID NO 39
; LENGTH: 951
; TYPE: DNA
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030119111A1 7472446CBI
US-10-220-382-39
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Query Match 94.0%; Score 947.8; DB 15; Length 951;

Best Local Similarity 99.8%; Pred. No. 5.8e-303; Indels 0; Gaps 0;

Matches 949; Conservative 0; Mismatches 2;

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Qy 51 ATGAGGCTCTGGAACCTTCACCTTGGGAAAGTGGCTTCATTTTGGTGGGATTCGTAATGAC 110
Db 1 ATGAGGCTCTGGAACCTTCACCTTGGGAAAGTGGCTTCATTTTGGTGGGATTCGTAATGAC 60
Qy 111 AGTGGGTCTCTGAACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 170
Db 61 AGTGGGTCTCTGAACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
Qy 171 AGCAATGGCCTACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 230
Db 121 AGCAATGGCCTACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Qy 231 CTCCTGCTTGGGCACTCTCTCTCATGGACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 290
Db 181 CTCCTGCTTGGGCACTCTCTCTCATGGACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
Qy 291 GCCCTTGGGCACTTCTGCGCAGAGAAAACACATCTCTCTTGGAGGCTGCGCCCTTCAAG 350
Db 241 GCCCTTGGGCACTTCTGCGCAGAGAAAACACATCTCTCTTGGAGGCTGCGCCCTTCAAG 300
Qy 351 ATGTTCTGCGCACTGACAAATGGTGGTGTCTGAGGACCTCTCTGCTGCTGCTGCTGCTGCT 410
Db 301 ATGTTCTGCGCACTGACAAATGGTGGTGTCTGAGGACCTCTCTGCTGCTGCTGCTGCTGCT 360
Qy 411 GACAGGTATGTGGCACTTGTGTCATCTCTGACATACATGACCTCATGAGCTCAAGAGCC 470
Db 361 GACAGGTATGTGGCACTTGTGTCATCTCTGACATACATGACCTCATGAGCTCAAGAGCC 420
Qy 471 TGCTGGCTCATGGTGGCCACGTCCTGATCCCTGATCCCTGATCCCTGATCCCTGATCCCTGAT 530
Db 421 TGCTGGCTCATGGTGGCCACGTCCTGATCCCTGATCCCTGATCCCTGATCCCTGATCCCTGAT 480
Qy 531 GTGTATACCATGCACTATCCCTCTGCGAGGCCCGAGGAGATCAGGCATCTTCTGTGAG 590
Db 481 GTGTATACCATGCACTATCCCTCTGCGAGGCCCGAGGAGATCAGGCATCTTCTGTGAG 540
Qy 591 ATCCACACACTTGCTGAAAGTGTGGCCCTGTGCTGATACCTCCAGATATGAGCTCATGTATAT 650
Db 541 ATCCACACACTTGCTGAAAGTGTGGCCCTGTGCTGATACCTCCAGATATGAGCTCATGTATAT 600
Qy 651 GTGATGGGTGAGCTTCTGATCCCTCTGATCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 710
Db 601 GTGATGGGTGAGCTTCTGATCCCTCTGATCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
Qy 711 ATCTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 770
Db 661 ATCTACTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
Qy 771 TGCTCTTCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 830
Db 721 TGCTCTTCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
Qy 831 TTGCCAGATTCCTCCACAGACACAGACAGACAGACAGACAGACAGACAGACAGACAGACAG 890
Db 781 TTGCCAGATTCCTCCACAGACACAGACAGACAGACAGACAGACAGACAGACAGACAGACAG 840
Qy 891 GTCACCTCAGCCCTGAATCCATCTACAGCTGAGGATAGGAGGATAGGAGGATAGGAGGATAGG 950
Db 841 GTCACCTCAGCCCTGAATCCATCTACAGCTGAGGATAGGAGGATAGGAGGATAGGAGGATAGG 900
Qy 951 TTGAGGAGGCTCTGGGAAATATACATGCTGCCAGCACACTCCACGCTCTAG 1001
Db 901 TTGAGGAGGCTCTGGGAAATATACATGCTGCCAGCACACTCCACGCTCTAG 951
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Db	601	GTGATGGGTGTGACCTTCCCTGATTCCCTCTCTTGTGCTGTATACTGCCCTCCATACACAA	660
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; Sequence 1, Application US/1002444B			
; Publication No. US20030165858A1			
; GENERAL INFORMATION:			
; APPLICANT: Padigar, Muralidhara			
; APPLICANT: Gerlach, Valerie L.			
; APPLICANT: Smithson, Glenda			
; APPLICANT: Stone, David			
; APPLICANT: Bin-Yang, Ruey			
; APPLICANT: Conley, Pamela B.			
; APPLICANT: Hart, Matthew			
; APPLICANT: Tomlinson, James E.			
; APPLICANT: Topper, James N.			
; APPLICANT: Kekuda, Ramesh			
; APPLICANT: Casman, Stacie J.			
; APPLICANT: MacDougall, John R.			
; APPLICANT: Shlomit, Edinger R.			
; TITLE OF INVENTION: No. US20030165858A1el GPCR-Like Proteins and Nucleic Ac			
; TITLE OF INVENTION: Same			
; FILE REFERENCE: 21402-224 AG			
; CURRENT APPLICATION NUMBER: US/10/024,444B			
; CURRENT FILING DATE: 2002-12-19			
; PRIOR APPLICATION NUMBER: 60/256635			
; PRIOR FILING DATE: 2000-12-18			
; NUMBER OF SEQ ID NOS: 12			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 1			
; LENGTH: 977			
; TYPE: DNA			
; ORGANISM: Human			
US-10-024-444B-1			
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Best Local Similarity 91.1%; Pred. No. le-264; Indels 0; Gaps 0			
Matches 884; Conservative 0; Mismatches 86;			
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Db	68	ATTCTGATGACAGTGGGTCTCCGAACTGCTCTGTGTACAAATACAAATCCTATATCATG	127
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Qy 1008 A 1008

Db 840 A 840

Search completed: September 14, 2004, 08:51:39
Job time : 533 secs

GenCore version 5.1.1.6
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OM protein - protein search, using sw model

Run on: September 13, 2004, 17:53:06 ; Search time 128 Seconds
(without alignments)
811.746 Million cell updates/sec

Title: US-09-974-591-14

Perfect score: 1659

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1335176 seqs, 320689617 residues

Total number of hits satisfying chosen parameters: 1335176

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1659	100.0	324	10	US-09-974-591-12
2	1659	100.0	324	10	US-09-974-591-14
3	1659	100.0	324	10	US-09-977-789-11
4	1659	100.0	324	10	US-09-974-149-12
5	1659	100.0	324	10	US-09-974-149-14
6	1606	96.8	316	9	US-09-886-055-197
7	1606	96.8	316	10	US-09-777-789-9
8	1606	96.8	316	10	US-09-804-291-197
9	1606	96.8	316	11	US-09-912-976-53
10	1606	96.8	316	11	US-09-965-422-58
11	1606	96.8	316	12	US-10-343-650A-514
12	1606	96.8	316	14	US-10-220-382-18
13	1606	96.8	316	14	US-10-017-161-310
14	1606	96.8	316	14	US-10-024-444B-3
15	1606	96.8	316	15	US-10-300-846-26

16	1606	96.8	316	15	US-10-292-798-276	Sequence 276, Appl
17	1393	84.0	316	14	US-10-024-444B-2	Sequence 2, Appl
18	1347	81.2	316	10	US-09-777-789-41	Sequence 41, Appl
19	1347	81.2	316	10	US-09-777-789-42	Sequence 42, Appl
20	1347	81.2	316	10	US-09-777-789-46	Sequence 46, Appl
21	1347	81.2	316	10	US-09-777-789-47	Sequence 47, Appl
22	1347	81.2	316	10	US-09-795-271-48	Sequence 48, Appl
23	1347	81.2	316	11	US-09-912-976-52	Sequence 52, Appl
24	1347	81.2	316	11	US-09-965-422-56	Sequence 56, Appl
25	1347	81.2	316	14	US-10-024-444B-7	Sequence 7, Appl
26	1347	81.2	316	15	US-10-005-041A-104	Sequence 104, Appl
27	1309	78.9	316	11	US-09-912-976-51	Sequence 51, Appl
28	1309	78.9	316	14	US-10-024-444B-5	Sequence 5, Appl
29	1305	78.7	316	11	US-09-912-976-50	Sequence 50, Appl
30	1305	78.7	316	11	US-09-965-422-60	Sequence 60, Appl
31	1305	78.7	316	14	US-10-024-444B-6	Sequence 6, Appl
32	1300	78.4	316	10	US-09-795-271-51	Sequence 51, Appl
33	1300	78.4	316	14	US-10-024-444B-4	Sequence 4, Appl
34	1235.5	74.5	315	10	US-09-795-271-49	Sequence 49, Appl
35	1235.5	74.5	315	11	US-09-965-422-59	Sequence 59, Appl
36	1235.5	74.5	315	11	US-09-981-566A-71	Sequence 71, Appl
37	1235.5	74.5	315	15	US-10-005-041A-105	Sequence 105, Appl
38	1223	73.7	319	10	US-09-795-271-50	Sequence 50, Appl
39	1223	73.7	319	11	US-09-965-422-57	Sequence 57, Appl
40	915	55.2	210	14	US-10-017-161-636	Sequence 636, Appl
41	839.5	50.6	369	9	US-09-886-055-457	Sequence 457, Appl
42	839.5	50.6	369	10	US-09-804-291-457	Sequence 457, Appl
43	835.5	50.4	311	11	US-09-912-976-49	Sequence 49, Appl
44	835.5	50.4	311	11	US-09-965-422-53	Sequence 53, Appl
45	835.5	50.4	311	11	US-09-981-566A-68	Sequence 68, Appl

ALIGNMENTS

RESULT 1

US-09-974-591-12
; Sequence 12, Application US/09974591
; Publication No. US20030059830A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E
; APPLICANT: Grosse, William M
; APPLICANT: Lesley, Denise M
; APPLICANT: Padigaru, Muradichara
; APPLICANT: Spytek, Kimberly A
; TITLE OF INVENTION: NO. US20030059830A1el Single Nucleotide Polymorphisms for Olfaction
; TITLE OF INVENTION: Receptor-like Polypeptides and Nucleic Acids Encoding
; FILE REFERENCE: 15966-654 CIP
; CURRENT APPLICATION NUMBER: US/09/974,591
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/245,292
; PRIOR FILING DATE: 2000-11-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-974-591-12

Query Match 100.0%; Score 1659; DB 10; Length 324;
Best Local Similarity 100.0%; Pred. No. 4,9e-150;
Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 301 RNKEVMRALRRVLGKYMPLPAHSTL 324

RESULT 2

US-09-974-591-14
; Sequence 14, Application US/09974591
; Publication No. US20030059830A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A
; TITLE OF INVENTION: No. US20030059830A1 Single Nucleotide Polymorphisms for Olfactory Receptors of Polypeptides and Nucleic Acids Encoding
; TITLE OF INVENTION: the Same
; FILE REFERENCE: 15966-654 CIP
; CURRENT APPLICATION NUMBER: US/09/974,591
; CURRENT FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/245,292
; PRIOR FILING DATE: 2000-11-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-974-591-14

Query Match 100.0%; Score 1659; DB 10; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.9e-150;
Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3

US-09-777-789-11
; Sequence 11, Application US/09777789
; Publication No. US20030087815A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru et al.
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-654
; CURRENT APPLICATION NUMBER: US/09/777,789
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/180,646
; PRIOR FILING DATE: 2000-02-07
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-777-789-11

Query Match 100.0%; Score 1659; DB 10; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.9e-150;
Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 301 RNKEVMRALRRVLGKYMPLPAHSTL 324

RESULT 4

US-09-974-149-12
; Sequence 12, Application US/09974149
; Publication No. US20030175705A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Bansal, Aruna
; TITLE OF INVENTION: Polymorphisms of Olfactory Receptor-like Polypeptides
; TITLE OF INVENTION: and Nucleic Acids Encoding the Same
; FILE REFERENCE: 15966-654UB
; CURRENT APPLICATION NUMBER: US/09/974,149
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/323,755
; PRIOR FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 12
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-974-149-12

Query Match      100.0%; Score 1659; DB 10; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.9e-150;
Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-09-974-149-14
; Sequence 14, Application US/09974149
; Publication No. US20030175705A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Burgess, Catherine E
; APPLICANT: Grosse, William M
; APPLICANT: Lepley, Denise M
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Bader, Joel S
; APPLICANT: Bansal, Aruna
; TITLE OF INVENTION: Methods of Use for No. US20030175705A1 Single Nucleotide
; TITLE OF INVENTION: Polymorphisms of Olfactory Receptor-like Polypeptides
; FILE REFERENCE: 15966-654UB
; CURRENT APPLICATION NUMBER: US/09/974,149
; PRIOR FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/323,755
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-974-149-14

Query Match      100.0%; Score 1659; DB 10; Length 324;
Best Local Similarity 100.0%; Pred. No. 4.9e-150;
Matches 324; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELWYHSMELWNFTLGSFVLVGLNDGSGPELLCATITILYLLALISNGLLLAIATME 60
Db 1 MELWYHSMELWNFTLGSFVLVGLNDGSGPELLCATITILYLLALISNGLLLAIATME 60
QY 61 ARLHMPYLLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTWGGARD 120
Db 61 ARLHMPYLLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTWGGARD 120
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Db 241 GRKKALVTCSSHLTVVGMFYGAATFMYVLPSSEFHSFTRQDNIIISVFYITVTPALNPLIYSL 300
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Db 301 RNKEVMRALRRVIGKYMPLPAHSTL 324

RESULT 6
US-09-886-055-197
; Sequence 197, Application US/09886055
; Patent No. US20020132273A1
; GENERAL INFORMATION:
; APPLICANT: STRYER, LUBERT
; APPLICANT: ZOZULYA, SERGEY
; TITLE OF INVENTION: RECEPTOR FINGERPRINTING, SENSORY PERCEPTION, AND
; TITLE OF INVENTION: BIOSENSORS OF CHEMICAL SENSANTS
; FILE REFERENCE: 078003-0277150
; CURRENT APPLICATION NUMBER: US/09/886,055
; CURRENT FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,812
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 197
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-886-055-197

Query Match      96.8%; Score 1606; DB 9; Length 316;
Best Local Similarity 99.7%; Pred. No. 5.5e-145;
Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MELWNFTLGSFVLVGLNDGSGPELLCATITILYLLALISNGLLLAIATWEARLHMPMY 60
QY 69 LLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTWGGADLLAFWAY 128
Db 61 LLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTWGGADLLAFWAY 120
QY 129 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPFCRAQEIHLHCE 188
Db 121 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPFCRAQEIHLHCE 180
QY 189 IPHLLKLACADTSRYELMVYMGVTFLLPSLAAILASYTQILLTVLHMPSEGRKALVT 248
Db 181 IPHLLKVACADTSRYELMVYMGVTFLLPSLAAILASYTQILLTVLHMPSEGRKALVT 240
QY 249 CSSHLTVVGMFYGAATFMYVLPSSEFHSFTRQDNIIISVFYITVTPALNPLIYSLRNKEVMRA 308
Db 241 CSSHLTVVGMFYGAATFMYVLPSSEFHSFTRQDNIIISVFYITVTPALNPLIYSLRNKEVMRA 300
QY 309 LRRVIGKYMPLPAHSTL 324
Db 301 LRRVIGKYMPLPAHSTL 316

RESULT 7
US-09-777-789-9
```

```
; Sequence 9, Application US/09777789
; Publication No. US20030087815A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru et al.
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 15966-654
; CURRENT APPLICATION NUMBER: US/09/777,789
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 60/180,646
; PRIOR FILING DATE: 2000-02-07
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-777-789-9

Query Match          96.8%; Score 1606; DB 10; Length 316;
Best Local Similarity 99.7%; Pred. No. 5.5e-145;
Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGGFILVGLNDGSPPELLCATITITLYLLALISNGLLLAITMEARLHPMY 68
Db 1 MELWNFTLGGFILVGLNDGSPPELLCATITITLYLLALISNGLLLAITMEARLHPMY 60

QY 69 LLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGALOMFLALTWGAEDLLAFMAY 128
Db 61 LLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGALOMFLALTWGAEDLLAFMAY 120

QY 129 DRVVAICHPLTYMTLMSRACWLNVATSWILASLSALITYVTYTMHYPPFCRAQIRHLCE 188
Db 121 DRVVAICHPLTYMTLMSRACWLNVATSWILASLSALITYVTYTMHYPPFCRAQIRHLCE 180

QY 189 IPHLLKLACADTSRYELMVYVGMVTEFLIPSLAAILASYTQILLTVLHMPNNEGRKKALVT 248
Db 181 IPHLLKVACADTSRYELMVYVGMVTEFLIPSLAAILASYTQILLTVLHMPNNEGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 308
Db 241 CSSHLTVVGMFYGAATFMYVLPSSFHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 300

QY 309 LREVLGKYMPLPAHSTL 324
Db 301 LREVLGKYMPLPAHSTL 316

RESULT 8
US-09-804-291-197
; Sequence 197, Application US/09804291
; Publication No. US20030088059A1
; GENERAL INFORMATION:
; APPLICANT: ZOZULA, SERGEY
; TITLE OF INVENTION: HUMAN OLFACTORY RECEPTORS AND GENES ENCODING SAME
; FILE REFERENCE: P 0278005
; CURRENT APPLICATION NUMBER: US/09/804,291
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 60/188,914
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/192,033
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: 60/198,474
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/199,335
; PRIOR FILING DATE: 2000-04-24
; PRIOR APPLICATION NUMBER: 60/207,702
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/213,849
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/226,534
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: 60/230,732
; PRIOR FILING DATE: 2000-09-07
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; PRIOR APPLICATION NUMBER: 60/266,862
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 529
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 197
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-804-291-197

Query Match          96.8%; Score 1606; DB 10; Length 316;
Best Local Similarity 99.7%; Pred. No. 5.5e-145;
Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGGFILVGLNDGSPPELLCATITITLYLLALISNGLLLAITMEARLHPMY 68
Db 1 MELWNFTLGGFILVGLNDGSPPELLCATITITLYLLALISNGLLLAITMEARLHPMY 60

QY 69 LLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGALOMFLALTWGAEDLLAFMAY 128
Db 61 LLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGALOMFLALTWGAEDLLAFMAY 120

QY 129 DRVVAICHPLTYMTLMSRACWLNVATSWILASLSALITYVTYTMHYPPFCRAQIRHLCE 188
Db 121 DRVVAICHPLTYMTLMSRACWLNVATSWILASLSALITYVTYTMHYPPFCRAQIRHLCE 180

QY 189 IPHLLKLACADTSRYELMVYVGMVTEFLIPSLAAILASYTQILLTVLHMPNNEGRKKALVT 248
Db 181 IPHLLKVACADTSRYELMVYVGMVTEFLIPSLAAILASYTQILLTVLHMPNNEGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 308
Db 241 CSSHLTVVGMFYGAATFMYVLPSSFHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 300

QY 309 LREVLGKYMPLPAHSTL 324
Db 301 LREVLGKYMPLPAHSTL 316

RESULT 9
US-09-912-976-53
; Sequence 53, Application US/09912976
; Publication No. US20030212255A1
; GENERAL INFORMATION:
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Mezes, Peter
; APPLICANT: Burgess, Catherine
; APPLICANT: Casman, Stacie
; APPLICANT: Grosse, William M
; APPLICANT: Alsobrook II, John P
; APPLICANT: Lepley, Denise M
; APPLICANT: Gerlach, Valerie L
; APPLICANT: MacDougall, John R
; APPLICANT: Smithson, Glenda
; APPLICANT: Mishra, Vishnu
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-070
; CURRENT APPLICATION NUMBER: US/09/912,976
; CURRENT FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/221,336
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/238,333
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 60/260,675
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 60/271,025
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: 60/278,164
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: 60/280,876
; PRIOR FILING DATE: 2001-04-02
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn Ver. 2.1
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```
; SEQ ID NO 53
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-912-976-53

Query Match
Best Local Similarity 96.8%; Score 1606; DB 11; Length 316;
Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 68
Db 1 MELWNFTLGSFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 60

QY 69 LLLGQLSLMDLLFTSVTPKALADFLRRENTISFGGICALQMFALTMTGGAEDLLAFWAY 128
Db 61 LLLGQLSLMDLLFTSVTPKALADFLRRENTISFGGICALQMFALTMTGGAEDLLAFWAY 120

QY 129 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVTMYHPPFCRAQEIHLHCE 188
Db 121 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVTMYHPPFCRAQEIHLHCE 180

QY 189 IPHLKLCADTSRYELMVYMGVTFLLPSLAAILASYTQILLTVLHMPNSNKRKKALVT 248
Db 181 IPHLKLCADTSRYELMVYMGVTFLLPSLAAILASYTQILLTVLHMPNSNKRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRQDNIISVFYTIPTPALNPLIYSLRNKEVMRA 308
Db 241 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRQDNIISVFYTIPTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMLPAHSTL 324
Db 301 LRRVLGKYMLPAHSTL 316

RESULT 10
US-09-965-422-58
; Sequence 58, Application US/09965422
; Publication No. US20030216545A1
; GENERAL INFORMATION:
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Casman, Stacie
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Dickson, Kevin
; APPLICANT: Vernet, Corine
; APPLICANT: Spaderna, Steven K
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Gerlach, Valerie
; APPLICANT: Ellerman, Karen
; APPLICANT: Edinger, Shlomit
; APPLICANT: MacDougall, John R
; APPLICANT: Smithson, Glennda
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Urial M
; APPLICANT: Taylor, Sarah
; APPLICANT: Gunther, Erik
; APPLICANT: Tchernev, Velizar T
; TITLE OF INVENTION: No. US20030216545A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21401-132
; CURRENT APPLICATION NUMBER: US/09/965,422
; CURRENT FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 60/236,286
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/236,284
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 60/237,581
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/238,735
; PRIOR FILING DATE: 2000-10-06
; PRIOR APPLICATION NUMBER: 60/240,736
; PRIOR FILING DATE: 2000-10-16
; PRIOR APPLICATION NUMBER: 60/260,019
; PRIOR FILING DATE: 2001-01-05
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; PRIOR APPLICATION NUMBER: 60/260,338
; PRIOR FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: 60/262,156
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/262,498
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: 60/263,133
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,691
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/266,109
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/271,634
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-965-422-58

Query Match
Best Local Similarity 96.8%; Score 1606; DB 11; Length 316;
Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 68
Db 1 MELWNFTLGSFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 60

QY 69 LLLGQLSLMDLLFTSVTPKALADFLRRENTISFGGICALQMFALTMTGGAEDLLAFWAY 128
Db 61 LLLGQLSLMDLLFTSVTPKALADFLRRENTISFGGICALQMFALTMTGGAEDLLAFWAY 120

QY 129 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVTMYHPPFCRAQEIHLHCE 188
Db 121 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVTMYHPPFCRAQEIHLHCE 180

QY 189 IPHLKLCADTSRYELMVYMGVTFLLPSLAAILASYTQILLTVLHMPNSNKRKKALVT 248
Db 181 IPHLKLCADTSRYELMVYMGVTFLLPSLAAILASYTQILLTVLHMPNSNKRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRQDNIISVFYTIPTPALNPLIYSLRNKEVMRA 308
Db 241 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRQDNIISVFYTIPTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMLPAHSTL 324
Db 301 LRRVLGKYMLPAHSTL 316

RESULT 11
US-10-343-650A-514
; Sequence 514, Application US/10343650A
; Publication No. US20040067499A1
; GENERAL INFORMATION:
; APPLICANT: HAGA, TATSUYA
; TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 31671-186347
; CURRENT APPLICATION NUMBER: US/10/343,650A
; CURRENT FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: JP 2000/237818
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: JP 2001/34434
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 694
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 514
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-343-650A-514
```

Query Match 96.8%; Score 1606; DB 12; Length 316;
 Best Local Similarity 99.7%; Pred. No. 5.5e-145;
 Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSFILVGLNDSGSPPELLCATITILYLALISNGLLLAITMEARLHMPY 68
 DB 1 MELWNFTLGSFILVGLNDSGSPPELLCATITILYLALISNGLLLAITMEARLHMPY 60

QY 69 LILGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTMTGGAEDLLAFMAY 128
 DB 61 LILGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTMTGGAEDLLAFMAY 120

QY 129 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPPFCRAQBIHLLCE 188
 DB 121 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPPFCRAQBIHLLCE 180

QY 189 IPHLKLACADTSRYELMVYMGVTFILPSLAAILASYTQILLTVLHMPNSNEGRKKALVT 248
 DB 181 IPHLKLACADTSRYELMVYMGVTFILPSLAAILASYTQILLTVLHMPNSNEGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 308
 DB 241 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMPLPAHSTL 324
 DB 301 LRRVLGKYMPLPAHSTL 316

RESULT 12
 US-10-220-382-18
 ; Sequence 18, Application US/10220382
 ; Publication No. US20030119111A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: TAL, Preeti
 ; APPLICANT: TANG, Y. Tom
 ; APPLICANT: PATTERSON, Chandra
 ; APPLICANT: YAO, Monique G.
 ; APPLICANT: SHIH, Leo L.
 ; APPLICANT: TRIBOULEY, Catherine
 ; APPLICANT: LU, Dying Aina M.
 ; APPLICANT: YUE, Henry
 ; APPLICANT: KHAN, Farrah A.
 ; APPLICANT: POLICKY, Jennifer L.
 ; APPLICANT: AU-YOUNG, Janice
 ; APPLICANT: YANG, Junming
 ; APPLICANT: HARLAND, Lee
 ; APPLICANT: WALSH, Roderick T.
 ; APPLICANT: LO, Terence P.
 ; APPLICANT: BOROMSKY, Mark L.
 ; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
 ; FILE REFERENCE: FI-0044 PCT
 ; CURRENT APPLICATION NUMBER: US/10/220,382
 ; CURRENT FILING DATE: 2001-03-01
 ; PRIOR APPLICATION NUMBER: 60/186,854; 60/190,453; 60/190,730
 ; PRIOR FILING DATE: 2000-03-03; 2000-03-10; 2000-03-17; 2000-03-20
 ; NUMBER OF SEQ ID NOS: 42
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 18
 ; LENGTH: 316
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: incyte ID No. US20030119111A1 7472446CD1
 US-10-220-382-18

Query Match 96.8%; Score 1606; DB 14; Length 316;
 Best Local Similarity 99.7%; Pred. No. 5.5e-145;
 Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSFILVGLNDSGSPPELLCATITILYLALISNGLLLAITMEARLHMPY 68

DB 1 MELWNFTLGSFILVGLNDSGSPPELLCATITILYLALISNGLLLAITMEARLHMPY 60

QY 69 LILGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTMTGGAEDLLAFMAY 128

DB 61 LILGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTMTGGAEDLLAFMAY 120

QY 129 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPPFCRAQBIHLLCE 188

DB 121 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPPFCRAQBIHLLCE 180

QY 189 IPHLKLACADTSRYELMVYMGVTFILPSLAAILASYTQILLTVLHMPNSNEGRKKALVT 248

DB 181 IPHLKLACADTSRYELMVYMGVTFILPSLAAILASYTQILLTVLHMPNSNEGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 308

DB 241 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMPLPAHSTL 324

DB 301 LRRVLGKYMPLPAHSTL 316

RESULT 13
 US-10-017-161-310
 ; Sequence 310, Application US/10017161
 ; Publication No. US20030143668A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SUMA, MAKIKO
 ; APPLICANT: ASAI, KIYOSHI
 ; APPLICANT: AKIYAMA, YUTAKA
 ; APPLICANT: ABURATANI, HIROYUKI
 ; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
 ; FILE REFERENCE: 084335/0152
 ; CURRENT APPLICATION NUMBER: US/10/017,161
 ; CURRENT FILING DATE: 2002-12-18
 ; PRIOR APPLICATION NUMBER: JP 2001/246789
 ; PRIOR FILING DATE: 2001-06-18
 ; NUMBER OF SEQ ID NOS: 2430
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 310
 ; LENGTH: 316
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-017-161-310

Query Match 96.8%; Score 1606; DB 14; Length 316;
 Best Local Similarity 99.7%; Pred. No. 5.5e-145;
 Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSFILVGLNDSGSPPELLCATITILYLALISNGLLLAITMEARLHMPY 68

DB 1 MELWNFTLGSFILVGLNDSGSPPELLCATITILYLALISNGLLLAITMEARLHMPY 60

QY 69 LILGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTMTGGAEDLLAFMAY 128

DB 61 LILGQLSLMDLLFTSVVTPKALADFLRRENTISFGGCALQMFALTMTGGAEDLLAFMAY 120

QY 129 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPPFCRAQBIHLLCE 188

DB 121 DRYVAICHPLTYMTLMSRACWLMVATSWILASLSALIYTVYTMHYPPFCRAQBIHLLCE 180

QY 189 IPHLKLACADTSRYELMVYMGVTFILPSLAAILASYTQILLTVLHMPNSNEGRKKALVT 248

DB 181 IPHLKLACADTSRYELMVYMGVTFILPSLAAILASYTQILLTVLHMPNSNEGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 308

DB 241 CSSHLTVVGMFYGAATFMYVLPSSFSHSTRODNIISVFYITVTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMPLPAHSTL 324

Db 301 LRRVLGKYMPLPAHSTL 316

RESULT 14

US-10-024-444B-3

; Sequence 3, Application US/10024444B

; Publication No. US20030165858A1

; GENERAL INFORMATION:

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Gerlach, Valerie L.

; APPLICANT: Smithson, Glenda

; APPLICANT: Stone, David

; APPLICANT: Bin-Yang, Ruey

; APPLICANT: Conley, Pamela B.

; APPLICANT: Hart, Matthew

; APPLICANT: Tomlinson, James E.

; APPLICANT: Topper, James N.

; APPLICANT: Kekuda, Ramesh

; APPLICANT: Casman, Stacie J.

; APPLICANT: MacDougall, John R.

; APPLICANT: Shlomit, Edinger R.

; TITLE OF INVENTION: No. US20030165858A1 GPCR-Like Proteins and Nucleic Acids Encodi

; FILE REFERENCE: Same

; CURRENT APPLICATION NUMBER: US/10/024,444B

; CURRENT FILING DATE: 2002-12-19

; PRIOR APPLICATION NUMBER: 60/256635

; PRIOR FILING DATE: 2000-12-18

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 3

; LENGTH: 316

; TYPE: PRT

; ORGANISM: human

US-10-024-444B-3

Query Match

Best Local Similarity 96.8%; Score 1606; DB 14; Length 316;

Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSGFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 68

Db 1 MELWNFTLGSGFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 60

QY 69 LLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGSCALQMFALTMGGAEDLLILAFWAY 128

Db 61 LLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGSCALQMFALTMGGAEDLLILAFWAY 120

QY 129 DRYVAICHPLTYMTLMSSRACWLVATSWILASLSALIYVVTMYHYPFCRAQEIIRHLLCE 188

Db 121 DRYVAICHPLTYMTLMSSRACWLVATSWILASLSALIYVVTMYHYPFCRAQEIIRHLLCE 180

QY 189 IPHLKLKACADTSRYELMVYMGVTFPLPSLAAILASYTQILLTVLHMPNENGRKKALVT 248

Db 181 IPHLKVCACADTSRYELMVYMGVTFPLPSLAAILASYTQILLTVLHMPNENGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSPHSTRQDNIIISVFYTIPTPALNPLIYSLRNKEVMRA 308

Db 241 CSSHLTVVGMFYGAATFMYVLPSSPHSTRQDNIIISVFYTIPTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMPLPAHSTL 324

Db 301 LRRVLGKYMPLPAHSTL 316

RESULT 15

US-10-300-846-26

; Sequence 26, Application US/10300846

; Publication No. US20030207337A1

; GENERAL INFORMATION:

; APPLICANT: HAN, YI

; APPLICANT: ZOZULYA, SERGEY

; APPLICANT: ECHEVERRI, FERNANDO

; APPLICANT: WANG, KUN

; TITLE OF INVENTION: OLFACTORY RECEPTORS FOR ISOVALERIC ACID AND RELATED

; TITLE OF INVENTION: MALODORANTS AND USE THEREOF IN ASSAYS FOR

; FILE REFERENCE: 078003-0291924

; CURRENT APPLICATION NUMBER: US/10/300,846

; CURRENT FILING DATE: 2002-11-21

; PRIOR APPLICATION NUMBER: 60/348,371

; PRIOR FILING DATE: 2002-01-16

; PRIOR APPLICATION NUMBER: 09/809,291

; PRIOR FILING DATE: 2001-03-13

; PRIOR APPLICATION NUMBER: 60/341,872

; PRIOR FILING DATE: 2001-12-21

; NUMBER OF SEQ ID NOS: 86

; SOFTWARE: Patentin Ver. 2.1

; SEQ ID NO 26

; LENGTH: 316

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-300-846-26

Query Match

Best Local Similarity 99.7%; Pred. No. 5.5e-145;

Matches 315; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 MELWNFTLGSGFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 68

Db 1 MELWNFTLGSGFILVGIINDSGSPPELLCATITILYLLALISNGLLLAITMEARLHPMY 60

QY 69 LLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGSCALQMFALTMGGAEDLLILAFWAY 128

Db 61 LLLGQLSLMDLLFTSVVTPKALADFLRRENTISFGGSCALQMFALTMGGAEDLLILAFWAY 120

QY 129 DRYVAICHPLTYMTLMSSRACWLVATSWILASLSALIYVVTMYHYPFCRAQEIIRHLLCE 188

Db 121 DRYVAICHPLTYMTLMSSRACWLVATSWILASLSALIYVVTMYHYPFCRAQEIIRHLLCE 180

QY 189 IPHLKLKACADTSRYELMVYMGVTFPLPSLAAILASYTQILLTVLHMPNENGRKKALVT 248

Db 181 IPHLKVCACADTSRYELMVYMGVTFPLPSLAAILASYTQILLTVLHMPNENGRKKALVT 240

QY 249 CSSHLTVVGMFYGAATFMYVLPSSPHSTRQDNIIISVFYTIPTPALNPLIYSLRNKEVMRA 308

Db 241 CSSHLTVVGMFYGAATFMYVLPSSPHSTRQDNIIISVFYTIPTPALNPLIYSLRNKEVMRA 300

QY 309 LRRVLGKYMPLPAHSTL 324

Db 301 LRRVLGKYMPLPAHSTL 316

Search completed: September 13, 2004, 18:07:04

Job time : 129 secs

